

*W.D. Griffiths*  
Modern

# Timber *and* Steel Buildings



BRUCE & STILL LTD

CONSTRUCTIONAL  
ENGINEERS AND  
CONTRACTORS.

LIVERPOOL.

BUNGALOWS  
CHURCHES  
SCHOOLS  
SANATORIA  
PAVILIONS  
BILLIARD ROOMS  
HOSPITALS  
STABLES  
MOTOR HOUSES

ETC.







MAXWELL & FAGE

TELEGRAMS: "GALVANIZER, LIVERPOOL."  
TELEPHONE No. 1817 ROYAL.

SUCCESSORS CODES: ABC (4th and 5th Editions)  
and A1.

# BRUCE & STILL, LTD.

CONSTRUCTIONAL ENGINEERS,

49, SEFTON STREET, LIVERPOOL

(Opposite the Brunswick Dock Station of  
The Liverpool Overhead Railway).....

## TIMBER AND STEEL BUILDINGS



PHOTO. VIEW OF COMMODIOUS BUNGALOW, AS ERECTED BY US AT ST. ASAPH, N. WALES.

CONTRACTORS TO H.M. GOVERNMENT.

MANUFACTURERS OF STEEL ROOFS, BUILDINGS, BRIDGES,  
✻ GIRDERS, AND OTHER CONSTRUCTIONAL WORK ✻

ESTIMATES AND DESIGNS ON APPLICATION.





PHOTO. VIEW OF COUNCIL SCHOOL, AS ERECTED BY US FOR  
THE CORPORATION OF BIRKENHEAD.

The above contract included  
the drainage, foundations, light-  
ing, heating, and everything  
necessary to complete the build-  
ing ready for occupation.



BRUCE &amp; STILL, LIMITED.

3

# SPECIFICATION

## OF

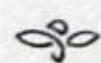
### TIMBER AND STEEL BUILDINGS.

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- FRAMING.** The skeleton framework is constructed of spruce timber to substantial scantlings, clean from the saw, properly morticed and tenoned together.
- LINING.** The walls and roof are lined with  $\frac{5}{8}$  in. tongued, grooved and beaded white match boarding (partitions on both sides), with a layer of inodorous felt between interior lining and exterior sheeting, to equalize the temperature during the summer and winter months.
- MOULDINGS.** Skirting boards at the floor level, and cornice mould at junction of walls and roof, are included to all the main rooms.
- DOORS.** Doors of yellow pine timber, four panelled and moulded, provided with the necessary hinges, locks and furniture complete.
- WINDOWS.** Windows also of yellow pine, putty glazed with 21 oz. sheet glass. Portions being made to open for ventilation where required, such portions are provided with the necessary fittings and ironmongery.
- FLOOR.** Floor of lin. tongued and grooved white boards, supported on substantial joists spaced from 15 to 18 ins. apart.
- COVERING.** Roof covered with best selected 24 gauge galvanized corrugated steel sheets, or 24 G. Italian pattern tiles, according to design shewn. The walls are likewise of 24 G. sheets, or in some instances finished in Old English style in timber, as illustrated.
- GUTTERS, &c.** The eaves are provided with galvanized steel (or cast iron) gutters, together with adequate cast iron rain-water pipes, exclusive of any connections to drains. Galvanized steel roll ridge capping to all apices.
- BARGE  
BOARDS.** Each gable end is provided with moulded barge boards, and ornamentally turned finial post.



- FITTINGS.** All nails and spikes, galvd. rivets, screws and washers, necessary for the erection are provided, with 5% surplus to provide against loss.
- PAINTING & VARNISHING.** All doors, windows and other exposed joinery work are given one priming coat of paint before delivery, and sufficient ready mixed paint of any approved color is included, to give same a further coat after erection. Sufficient stain and best copal varnish is provided to give the interior lining boards one coat.
- CARRIAGE.** Carriage paid to most of the railway goods stations in England or Wales.
- ERECTION.** Erection of these buildings, where quoted as an extra, includes the complete fixing by our own men on buyer's brick foundations, for which we supply the necessary holding down bolts. Purchaser is to cart material from station to site, and unload there, and also provide us with the free use of any tackle, such as ladders and planks, which may be required.
- TERMS.** Prices are strictly nett, for payment on delivery or completion of erection. All the figures quoted are subject to alteration without notice, according to the fluctuation of the markets.
- Until fully paid for, the title and ownership of any building shall remain the property of Bruce & Still, Ltd.
- INTERNAL FITTINGS.** No internal fittings, such as grates, w.c.'s, wash-basins, etc., are provided by us.
- PLANS.** Where purchaser undertakes the erection, the framing is marked to facilitate this arrangement, and key plans with full instructions are supplied; as well as a drawing shewing the necessary brick foundations which require to be laid to suit our work.
- If considered advisable, in order to economise the cost, the brickwork foundations may be dispensed with, and timber sleepers arranged instead for the building to rest upon.
- NOTICES to Local Authorities.** All necessary notices must be given, and permission obtained from the local Authorities, by the buyer; as we cannot hold ourselves responsible in this respect.

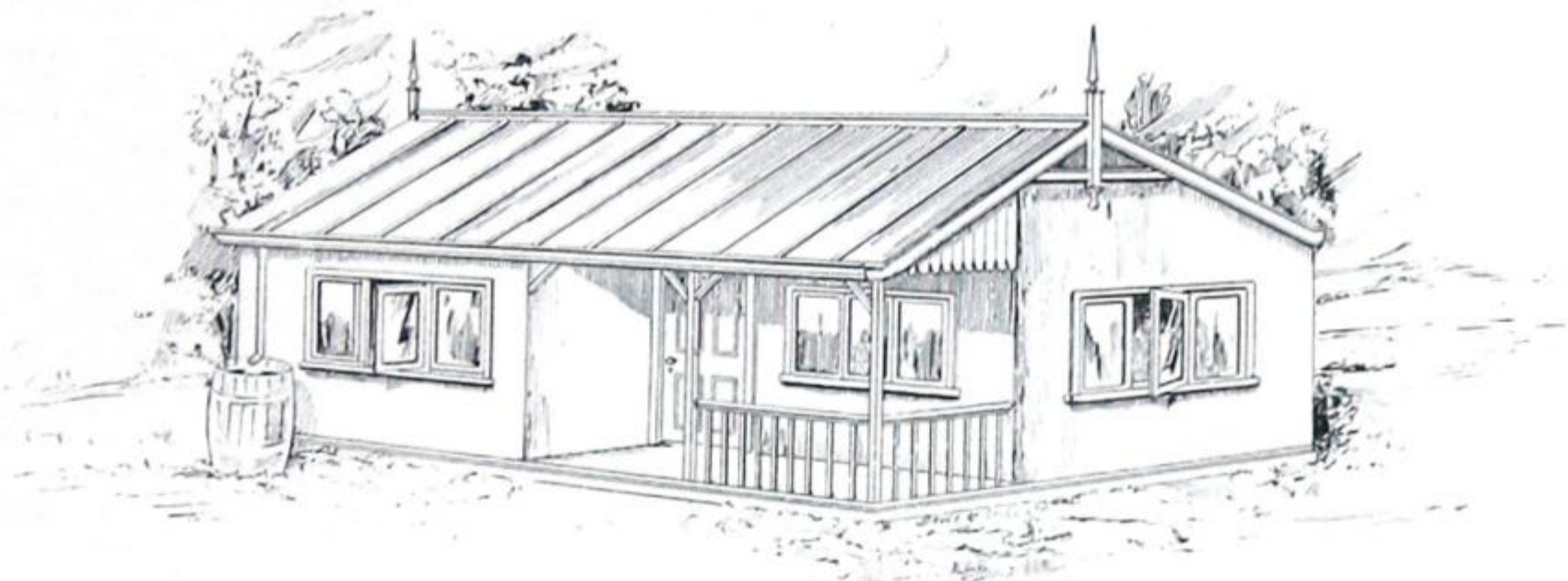


Plans and Estimates for any class of Building not shewn in this list supplied free on application, upon receipt of full particulars.

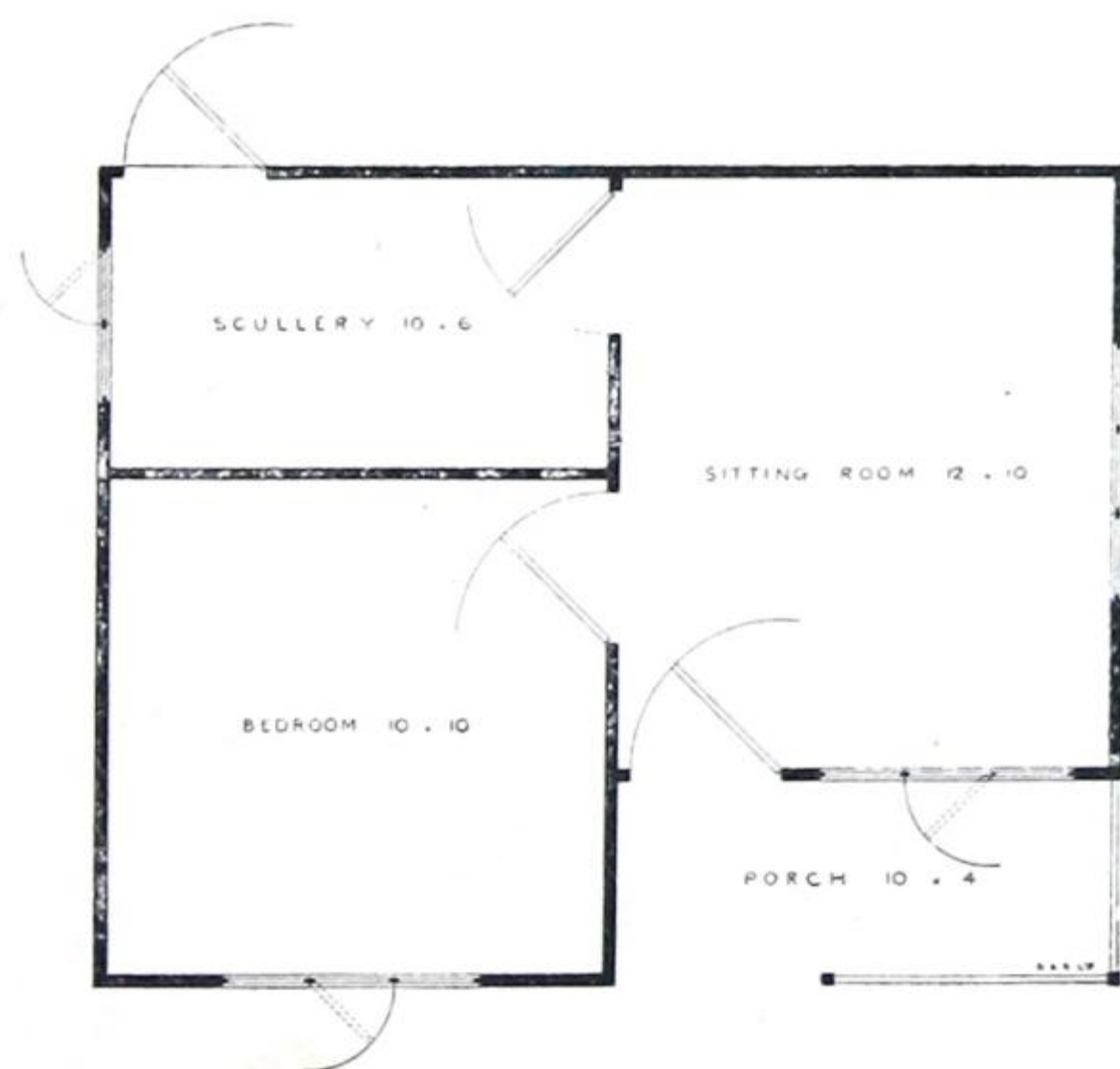


No. 200.

## WEEK-END COTTAGE.



This small cottage has been designed to meet the growing demand for a suitable cheap building to form camping-out quarters for the country or seaside, with some degree of home comforts.

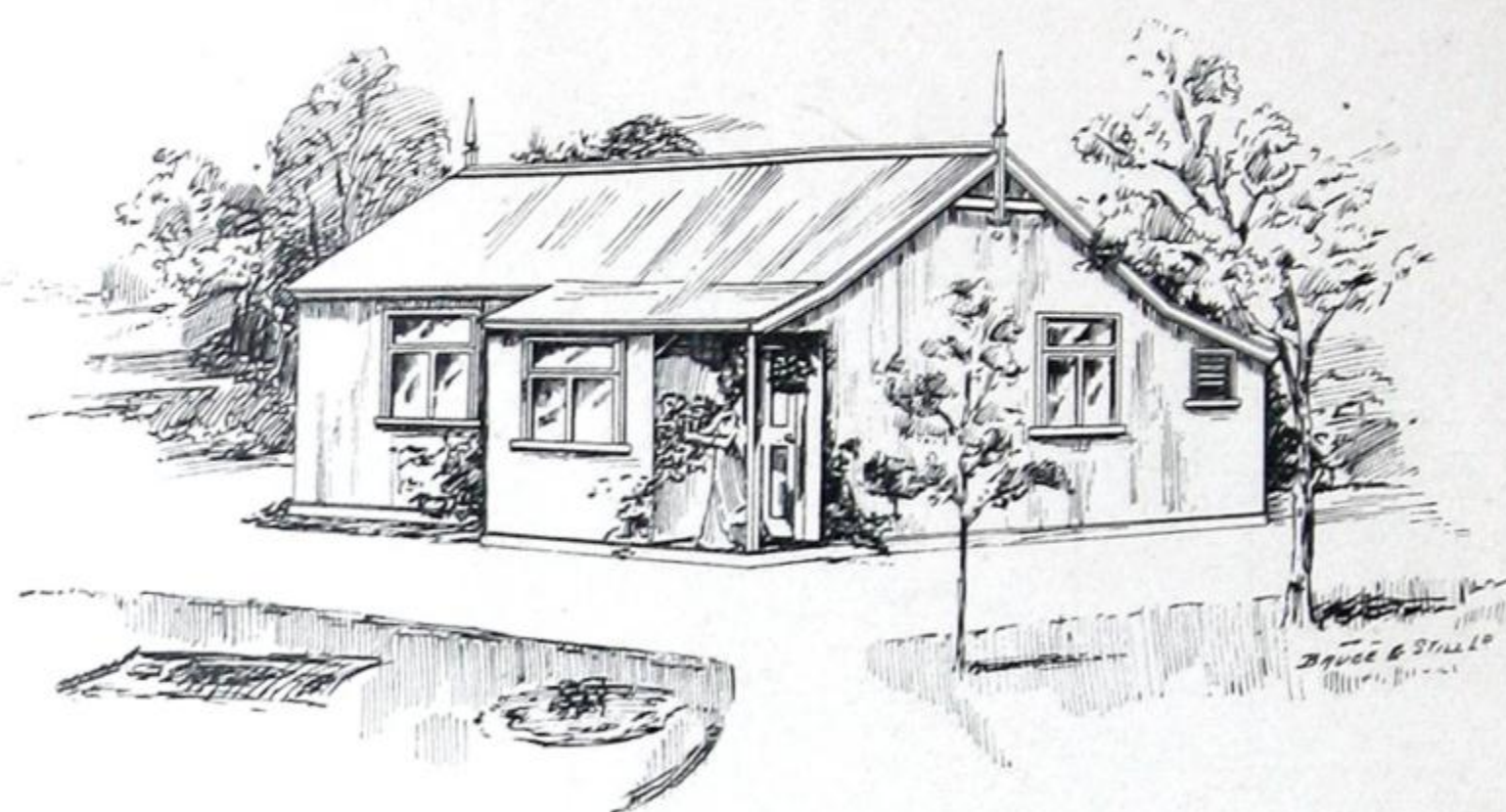


Approximate Price, delivered only, £51 10/-

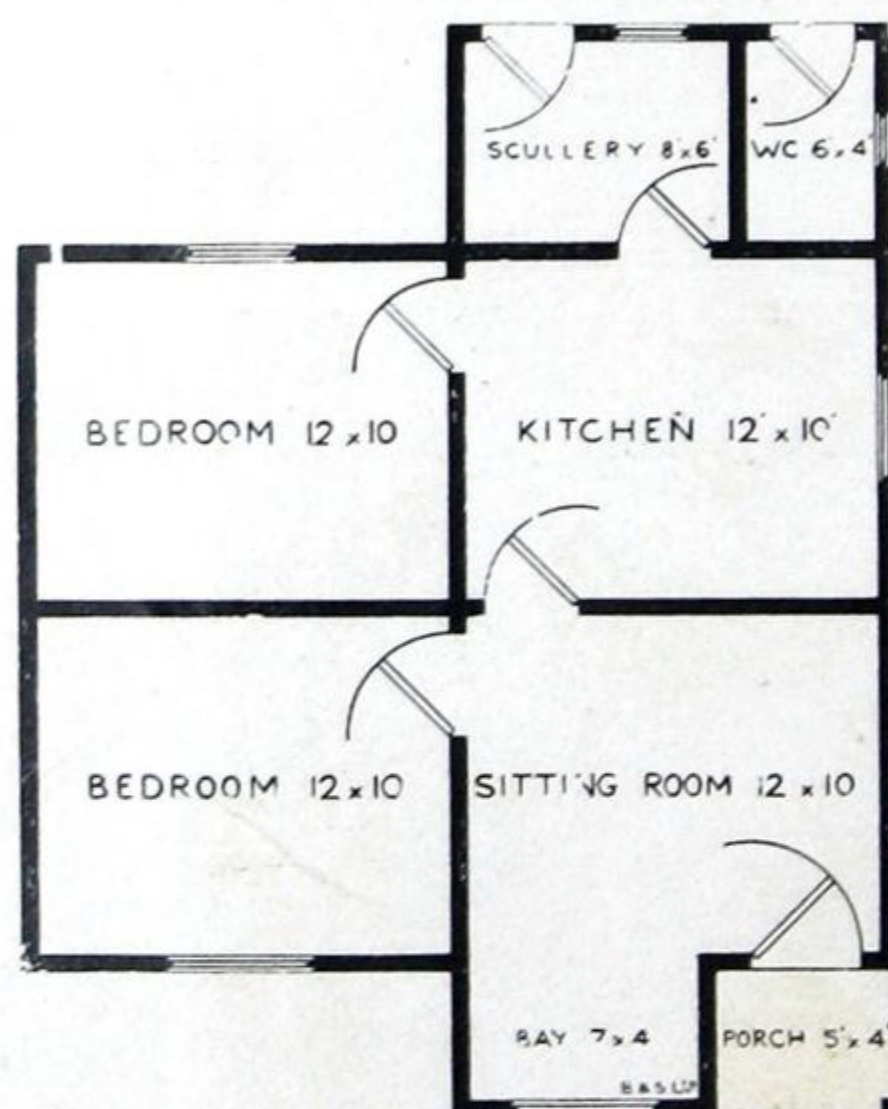
Do. erected complete, £67 0/-



No. 201.

**COTTAGE.**

Compact Cottage with sitting-room, kitchen, two bedrooms, &c. No passage or corridors. Porch to front entrance, and bay in sitting-room. Fireplaces could be built where required at the same time as the brick foundations are laid.



Approximate Price, delivered only, £88 0/-

Extra for erection, £26 0/-

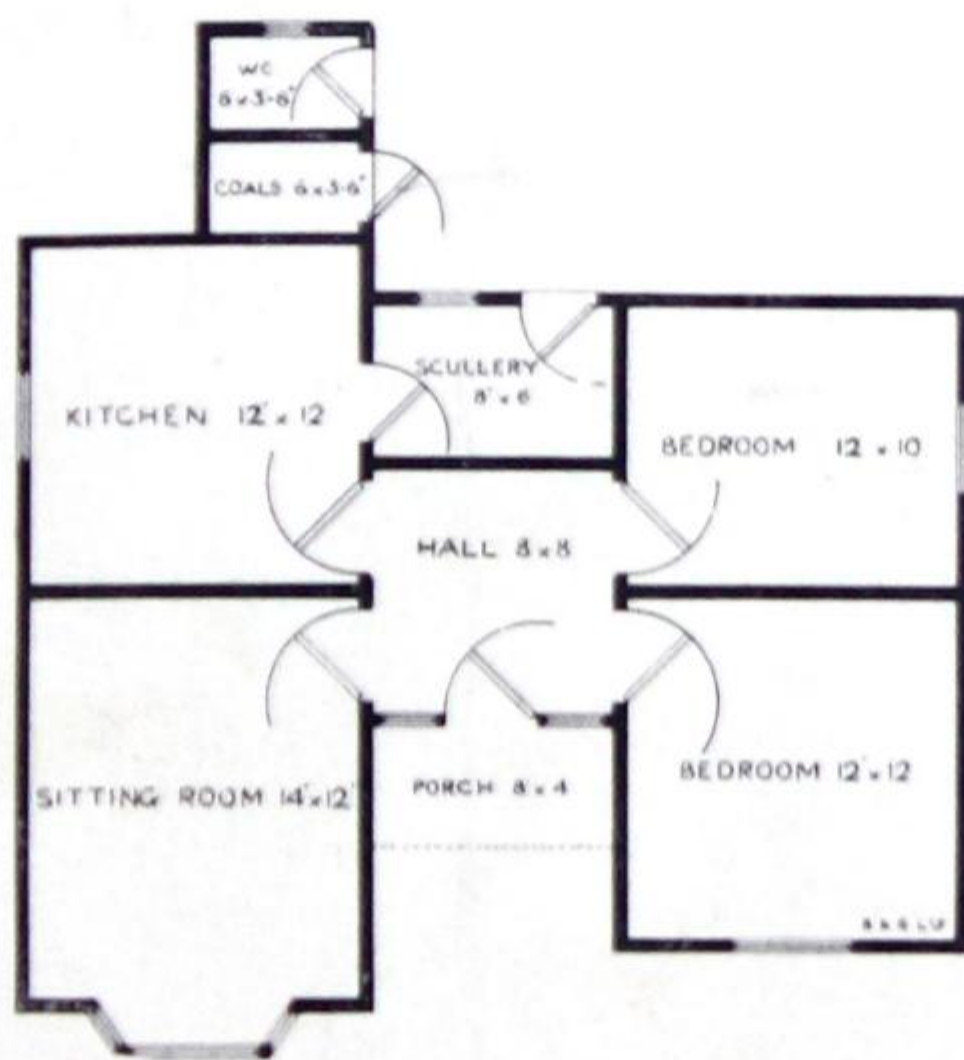


No. 202.

# VILLA.



Comfortable Villa arranged with convenient accommodation, and pleasant exterior appearance, at a moderate cost.



Approximate Price, delivered only, £125 10/-

Extra for erection, £34 10/-

DESIGNS AND ESTIMATES FOR COTTAGES OR OTHER RESIDENTIAL BUILDINGS, ADAPTED TO SUIT ANY REQUIRED ACCOMMODATION, WILL BE SENT ON RECEIPT OF PARTICULARS.

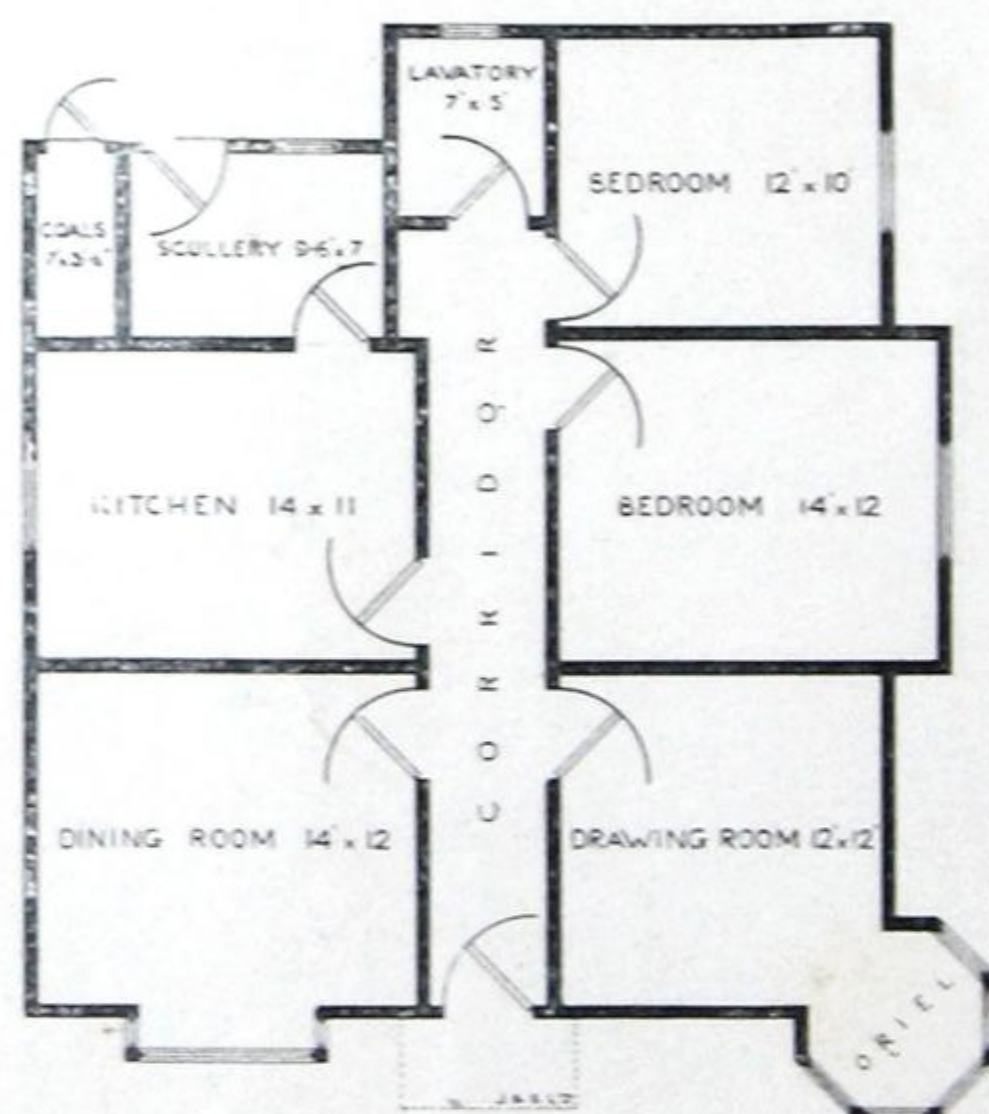


No. 203.

## VILLA.



Artistic detached residence with two entertaining rooms, two bedrooms, kitchen and other offices. Oriel window to drawing-room, and Venetian bay window to dining-room. Ornamental hood shelter over front entrance.

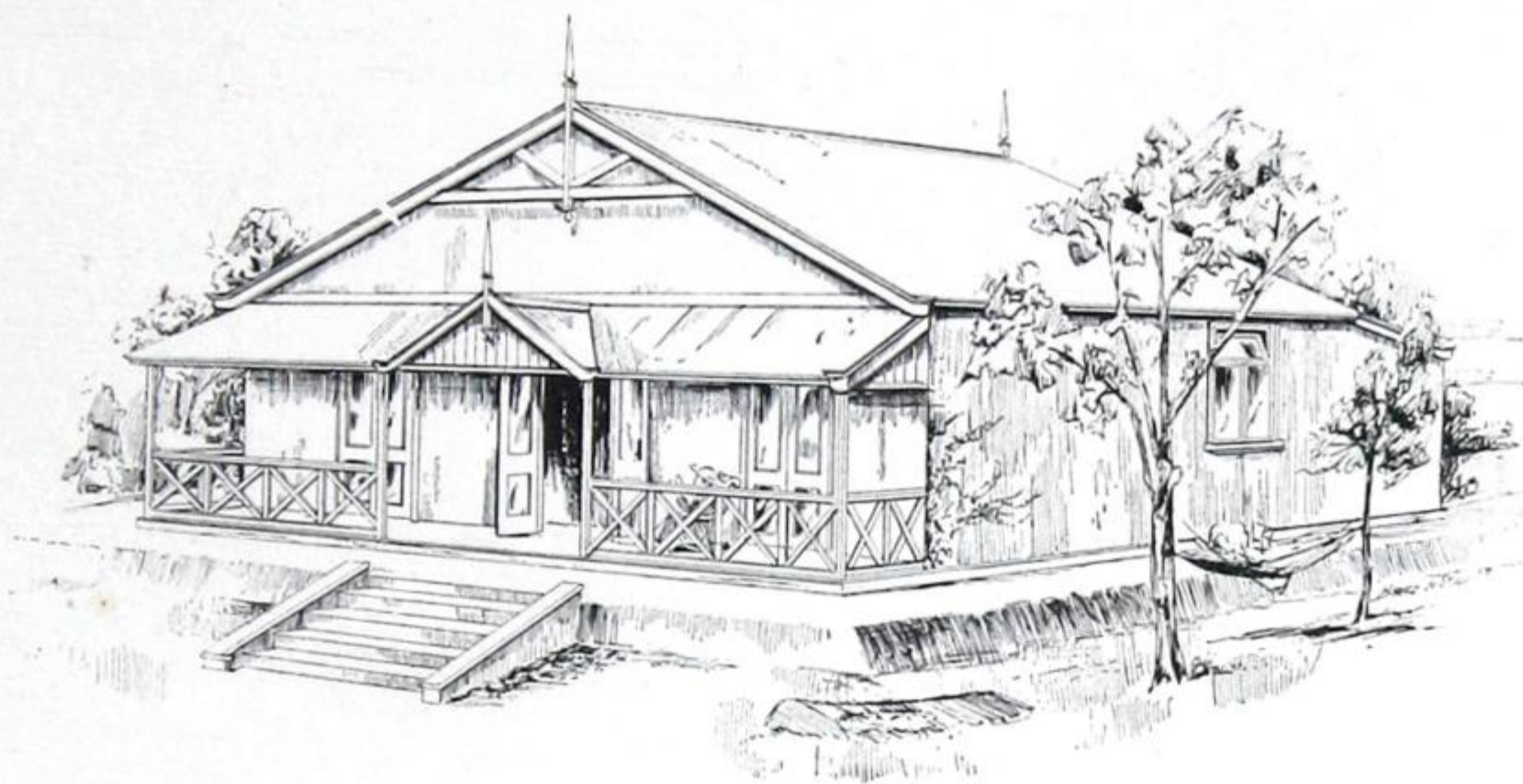


Approximate Price, delivered only, £184 0/-

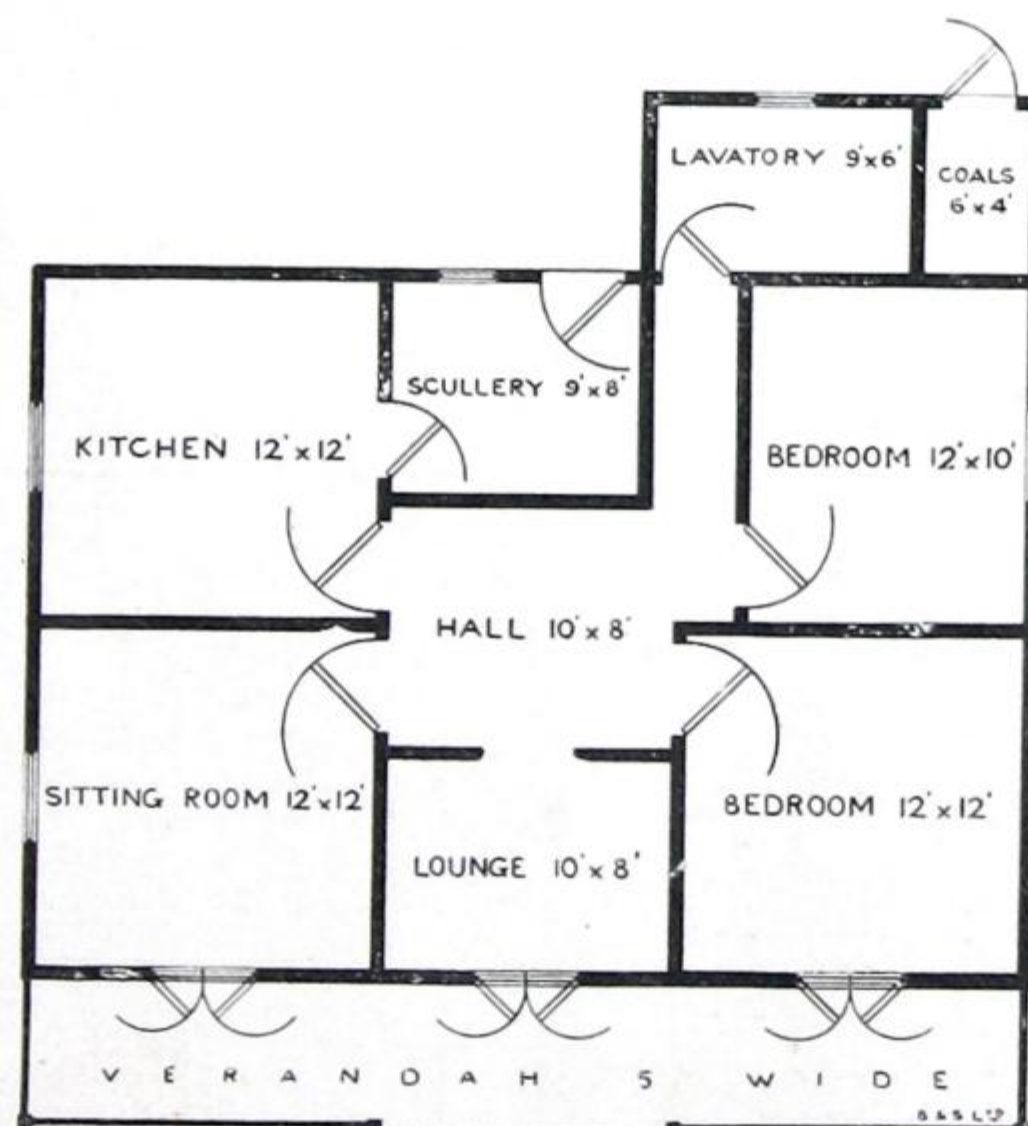
Extra for erection, £48 0/-



No. 204.

**RESIDENCE.**

Desirable Residence having the interior compactly arranged in bungalow fashion, and containing ample accommodation. Verandah at front communicating to rooms by French casements.

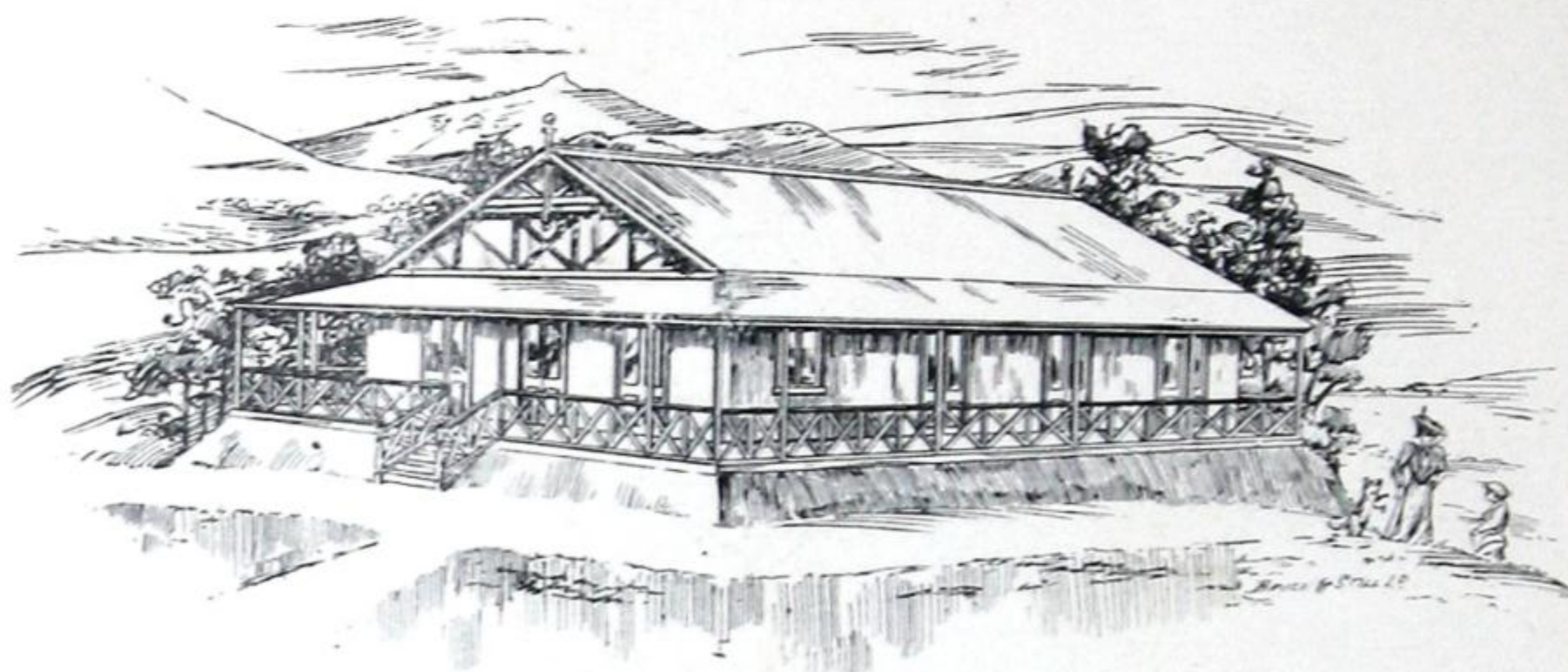


Approximate Price, delivered only, £168 0/-

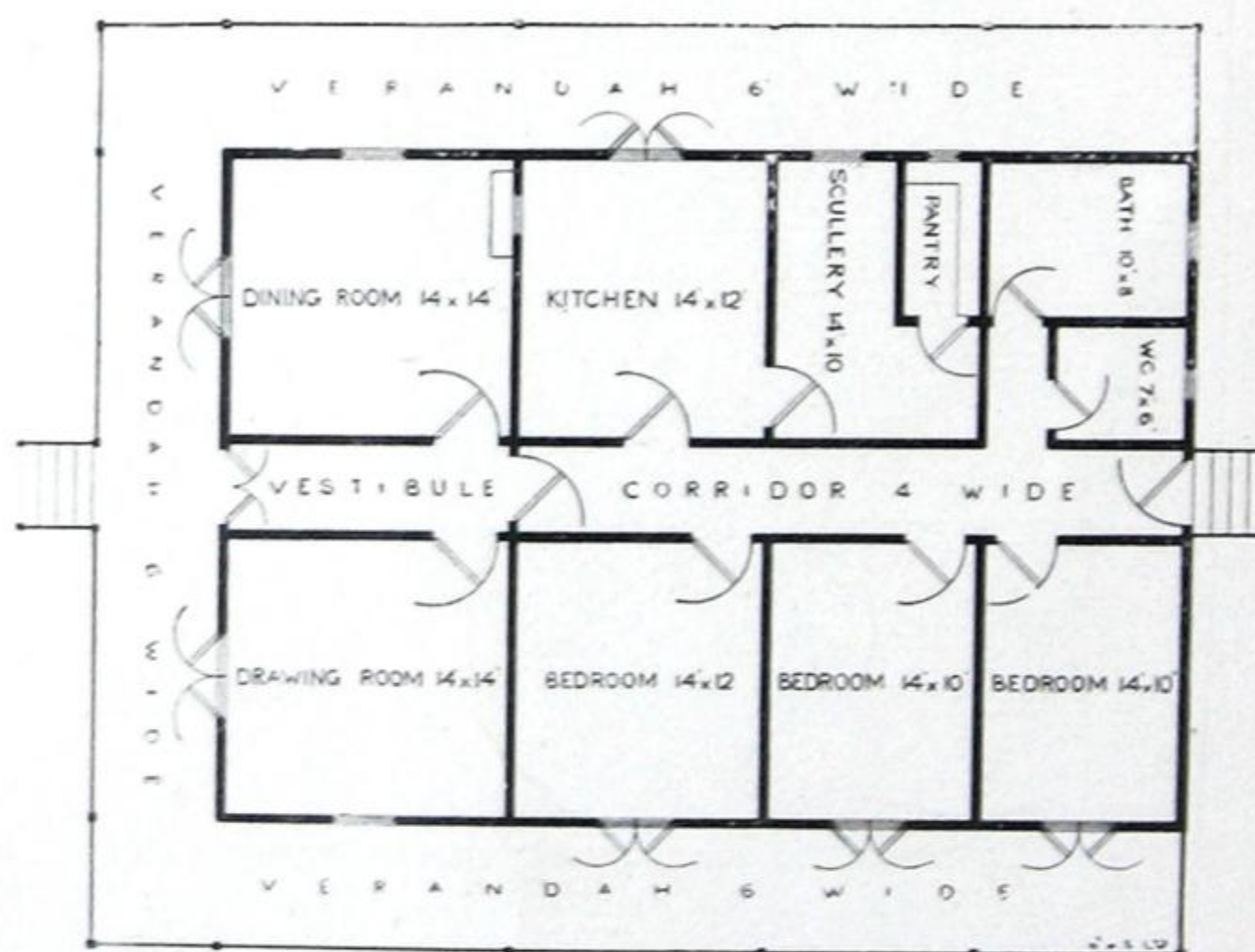
Extra for erection, £47 10/-



No. 205.

**BUNGALOW.**

Commodious Bungalow with Verandah on three sides. Serving hatch from kitchen to dining-room. A comfortable and picturesque building for residential purposes.



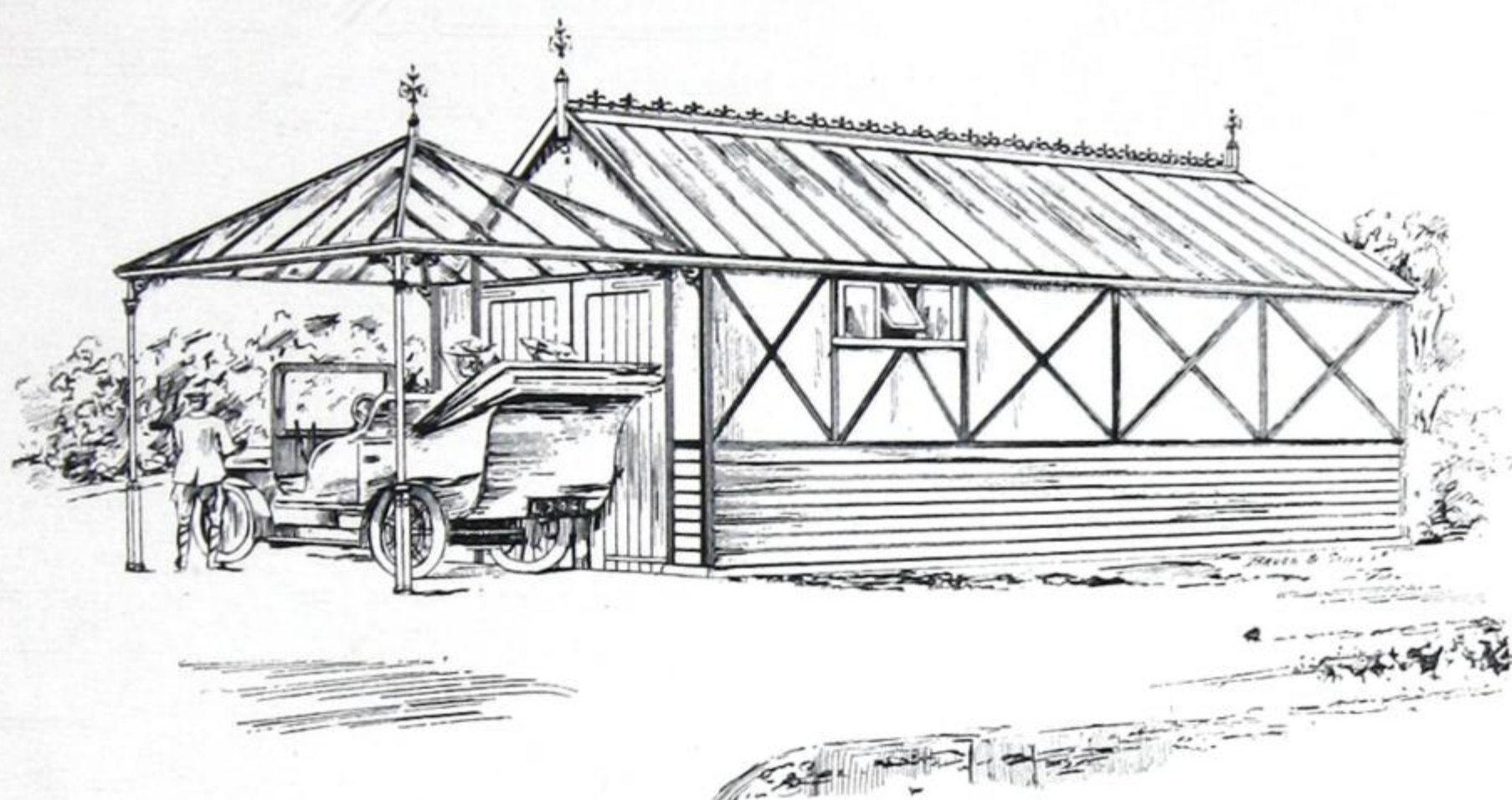
Approximate Price, delivered only, £296 0/-

Extra for erection, £80 0/-

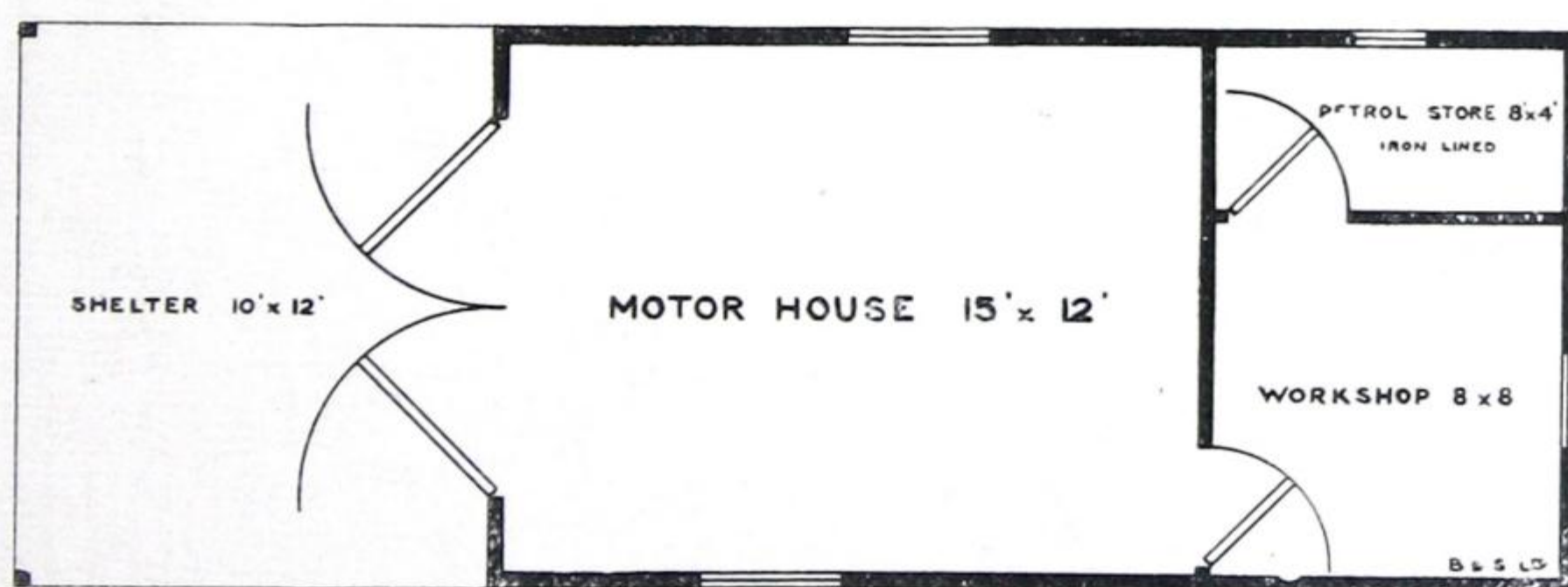


No. 206.

# MOTOR CAR HOUSE & SHELTER.



Motor House 15 ft. by 12 ft., with workshop; petrol store lined with plain steel sheets. Main building finished in Old English half timber style, with Italian tiles to roof. Folding doors 8 ft. high by 8 ft. wide. Shelter 12 ft. by 10 ft., having glazed pyramid roof, supported on ornamental cast pillars, enriched with brackets and terminal.  $\frac{3}{16}$  in. cast glass to roof, in tee steel sash bars, putty glazed.



Approximate Price, delivered only, £59 10/-

Without Glass Shelter, £42 10/-

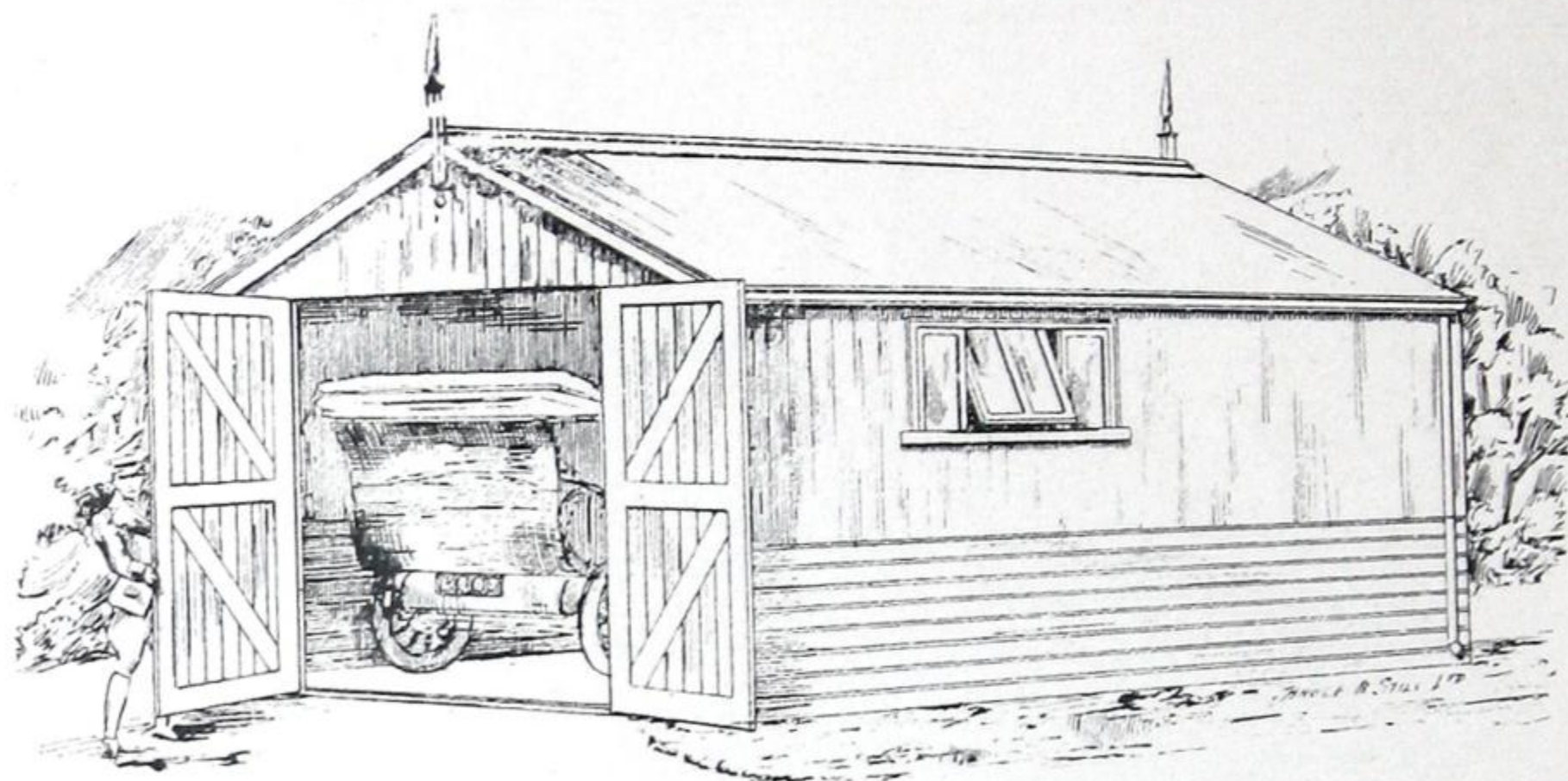
Extra for erection complete, £17 10/-

Without Glass Shelter, £13 10/-

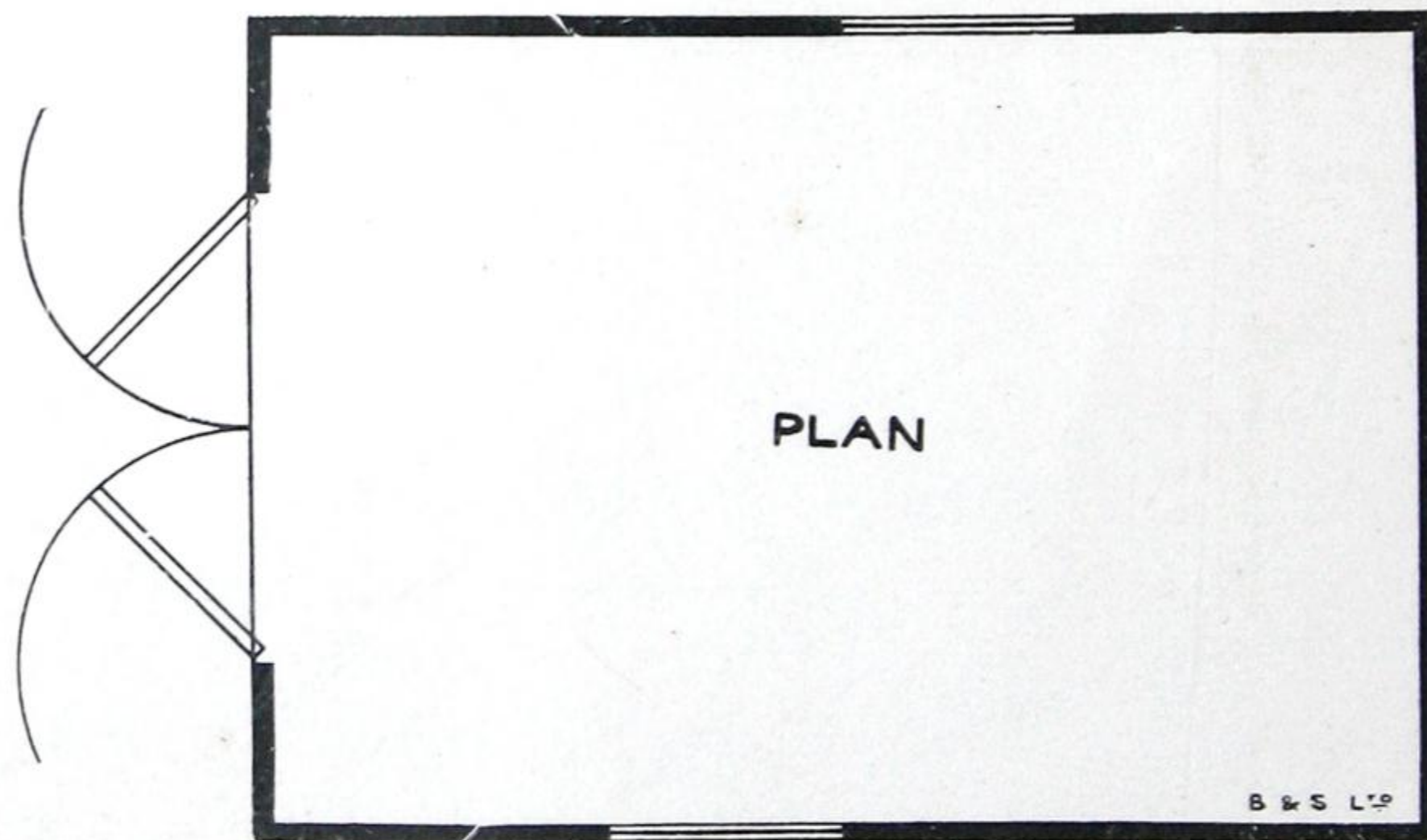


No. 207.

# MOTOR CAR HOUSES.



Sides and ends of timber horizontal weather boarding, and vertical tongued and grooved boards (no lining). Roof of galvanized corrugated sheets, timber lining, and inodorous felt, Doors 8 ft. by 8 ft. As the erection of these buildings can easily be undertaken by the buyer, we only quote prices delivered, Extra for erection of the various sizes on application.



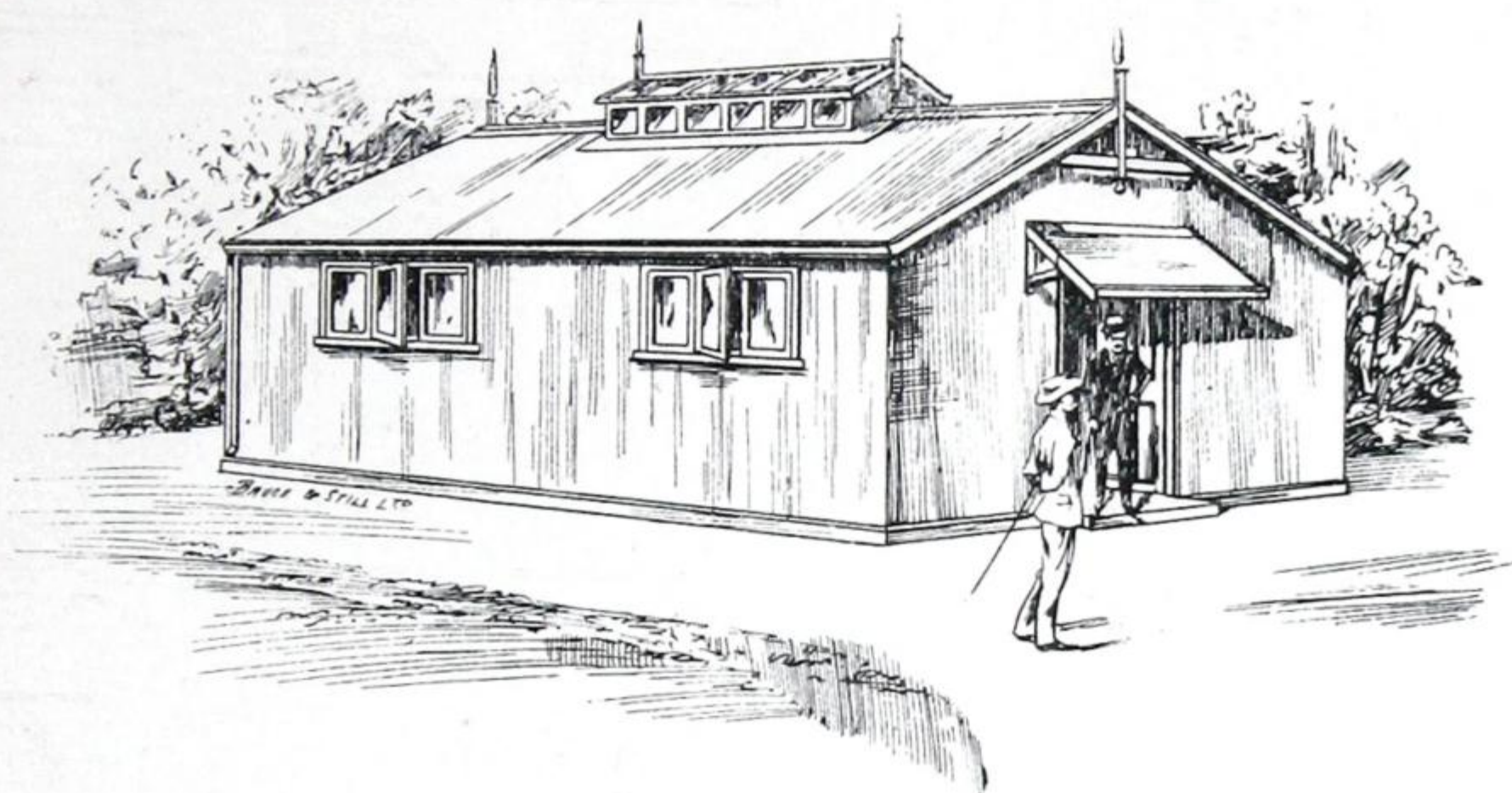
12 ft. by 8 ft.	£15 0/-
15 ft. by 10 ft.	£19 0/-
18 ft. by 12 ft.	£21 10/-
20 ft. by 12 ft.	£23 0/-

Approximate Prices,  
delivered only.



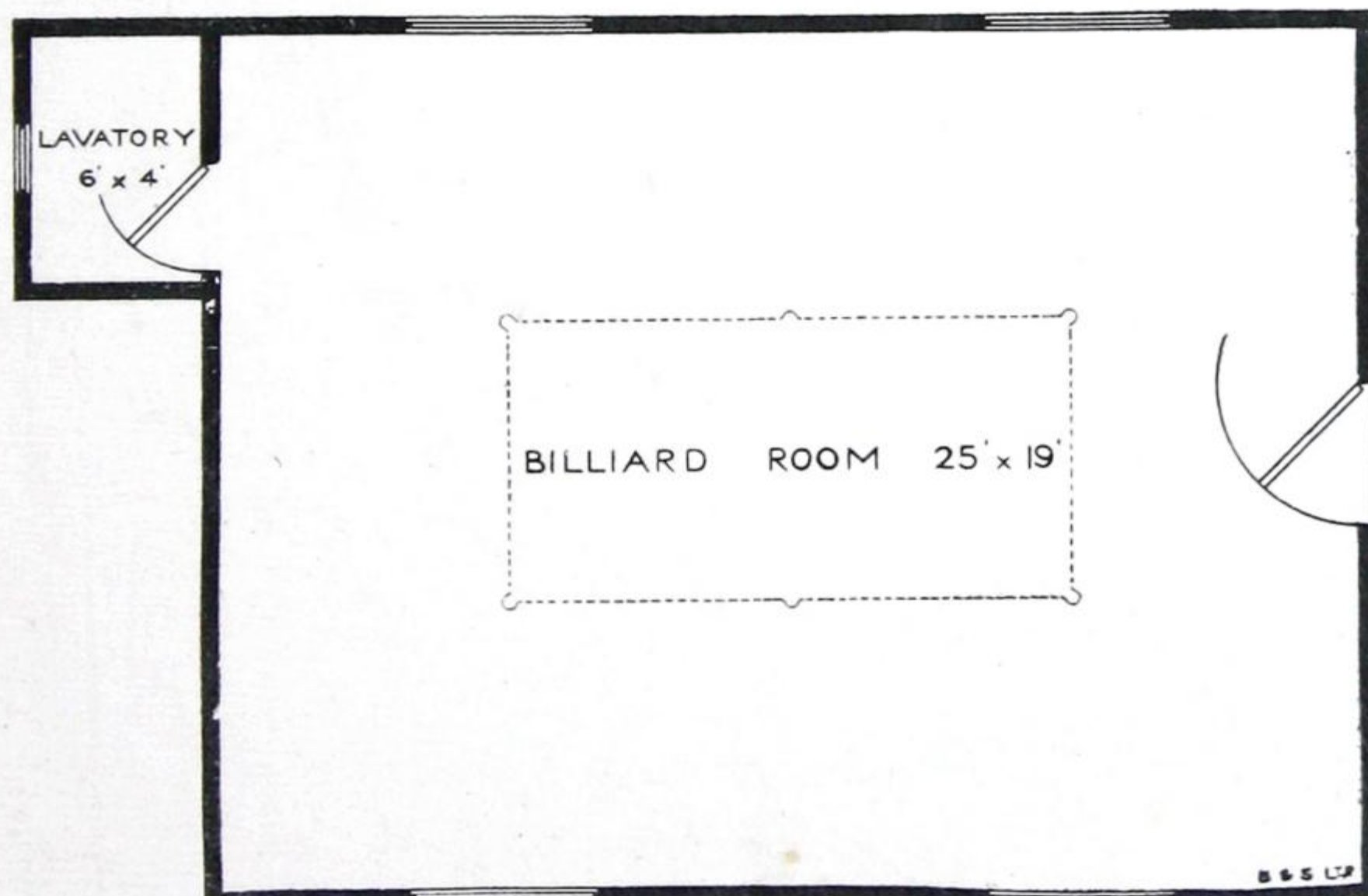
No. 208.

# BILLIARD ROOM.



Detached billiard-room, with lantern light, and lavatory. Projecting shelter over front door.

Prices of billiard-rooms as annexes to existing buildings will be sent on receipt of particulars.



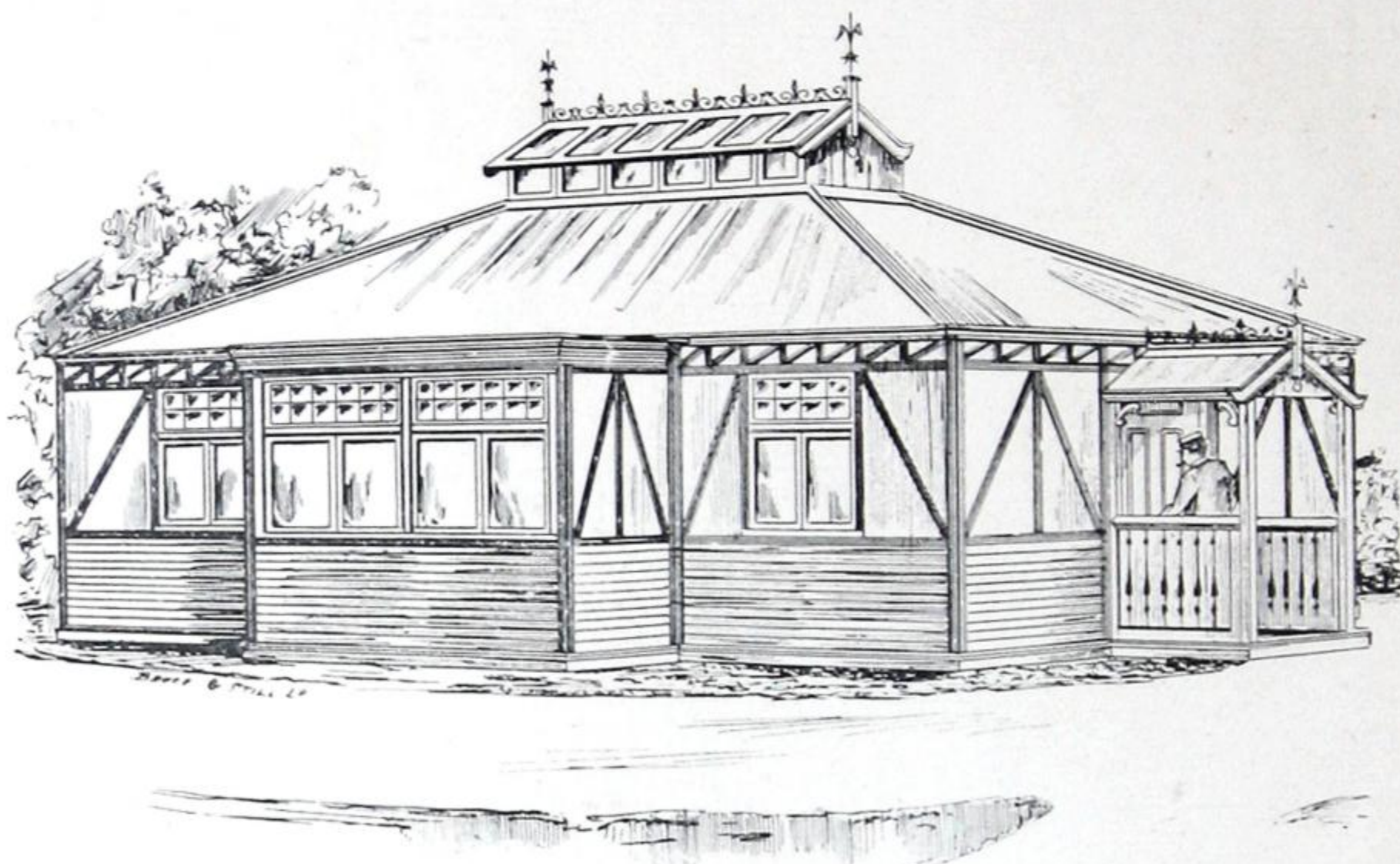
Approximate Price, delivered only, £70 0/-

Extra for erection, £20 10/-

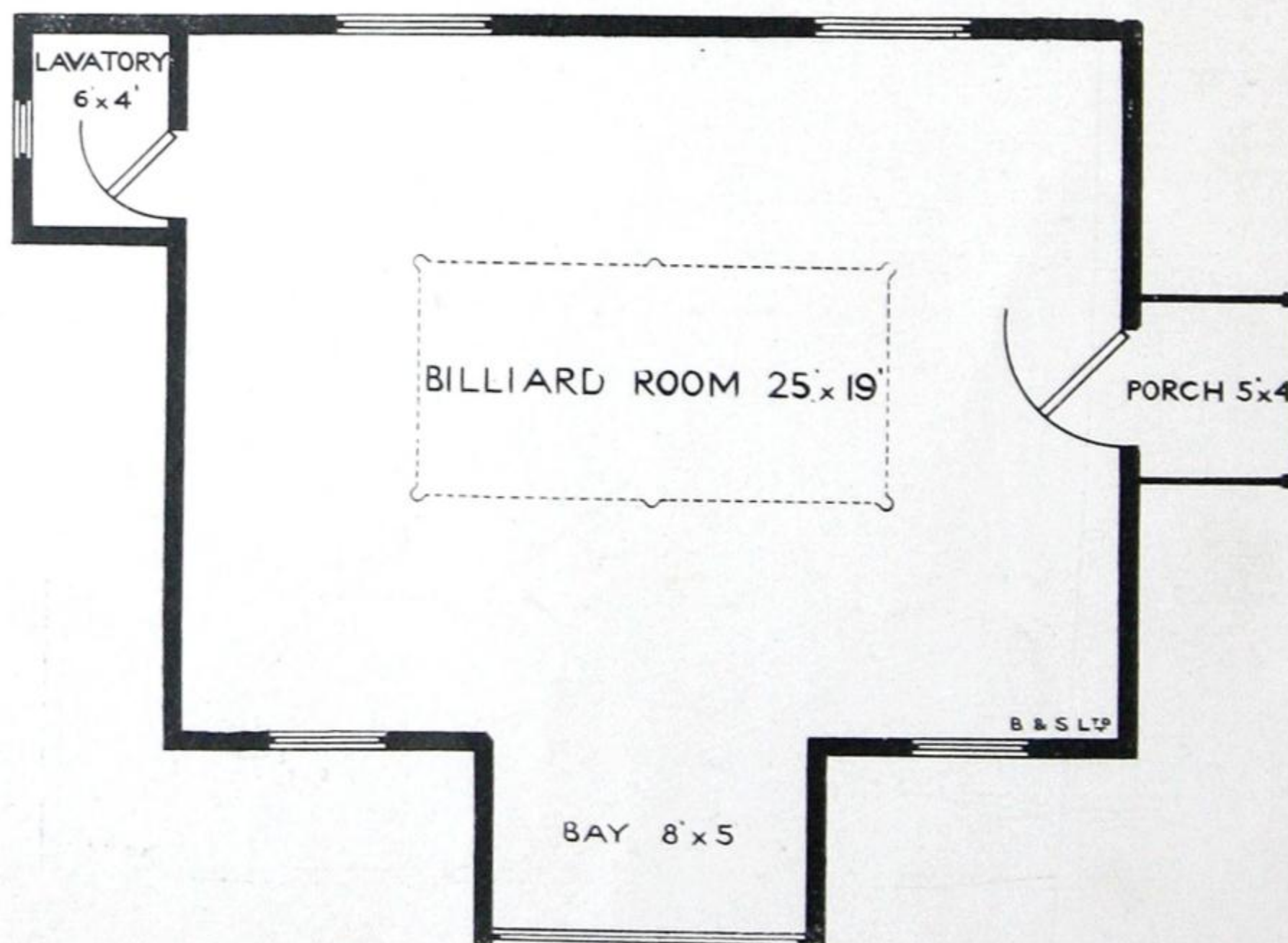


No. 209.

# BILLIARD ROOM.



Artistic Billiard Room with bay, porch and lavatory. Well lighted by windows at sides, and lantern in roof. Roof covered with Italian pattern tiles, sides and ends are finished in Old English style of half timbering. Ornamental cast iron cresting and finials.

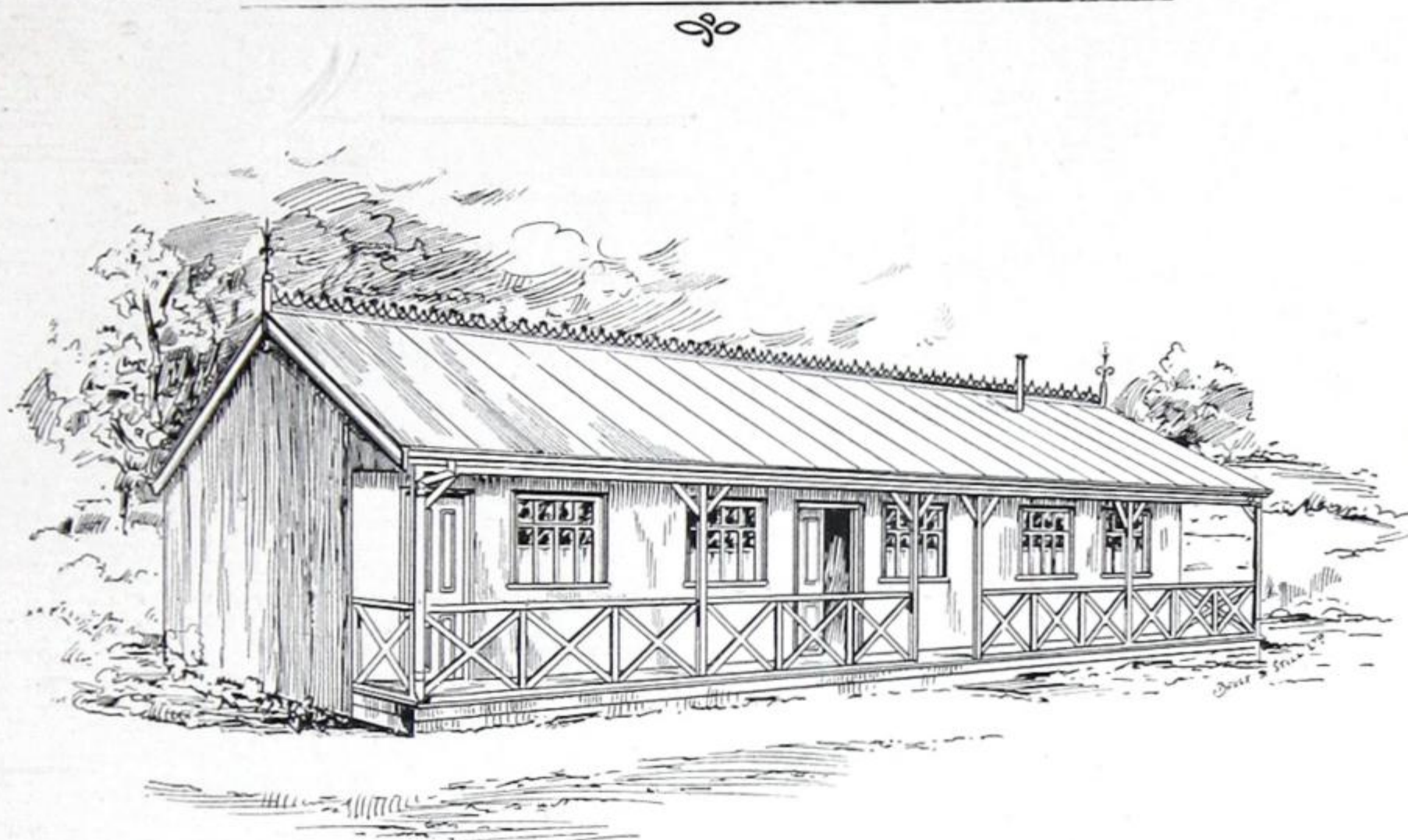


Approximate Price, delivered only, £90 10/-  
Extra for erection, £29 10/-



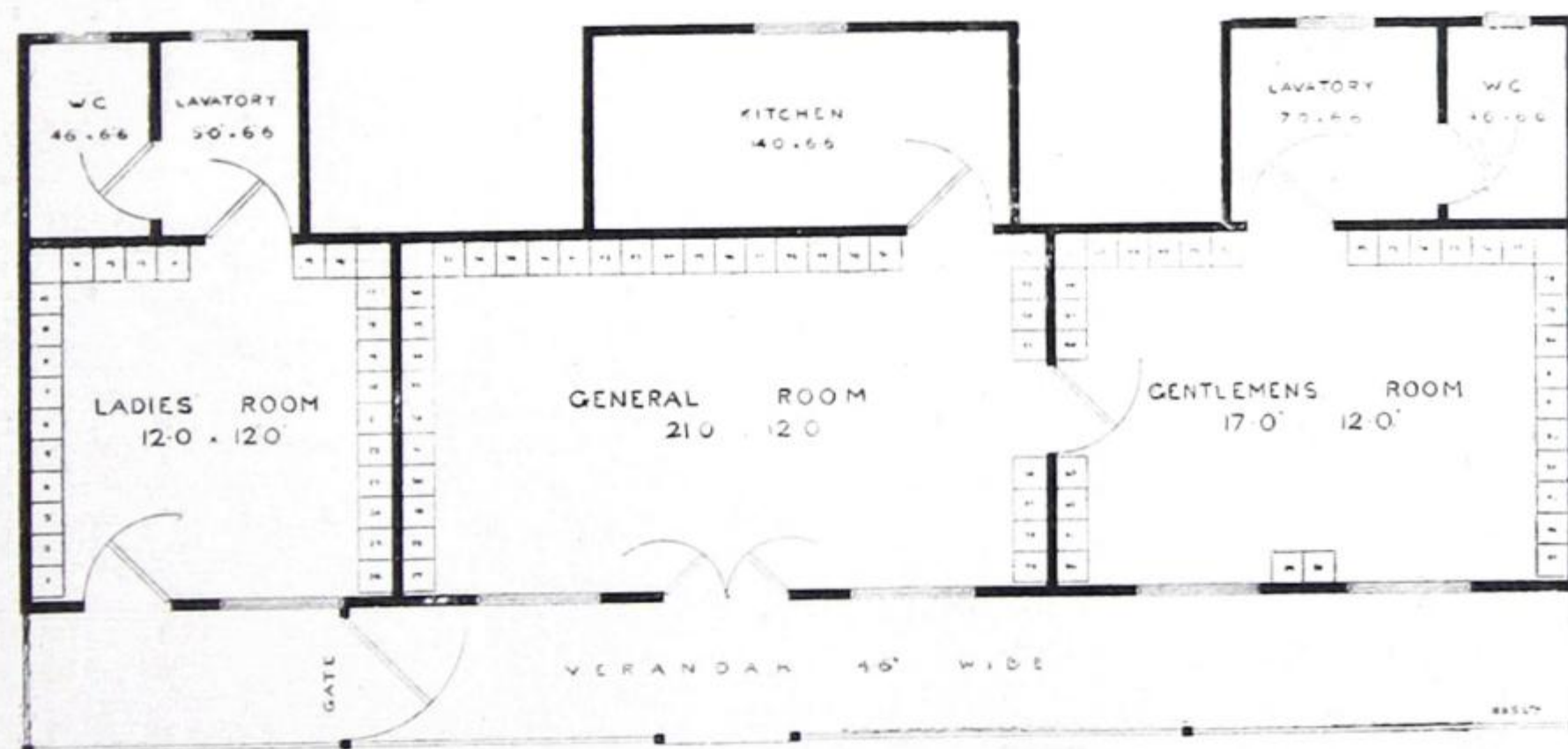
No. 210.

# GOLF PAVILION.



This building fixed on timber sleepers so as to avoid the cost of brick foundations, fitted with lockers for 89 members.

CARRIAGE PAID TO MOST STATIONS IN ENGLAND OR WALES.



Approximate Price, delivered only, £196 0/-

Extra for erection, £51 0/-

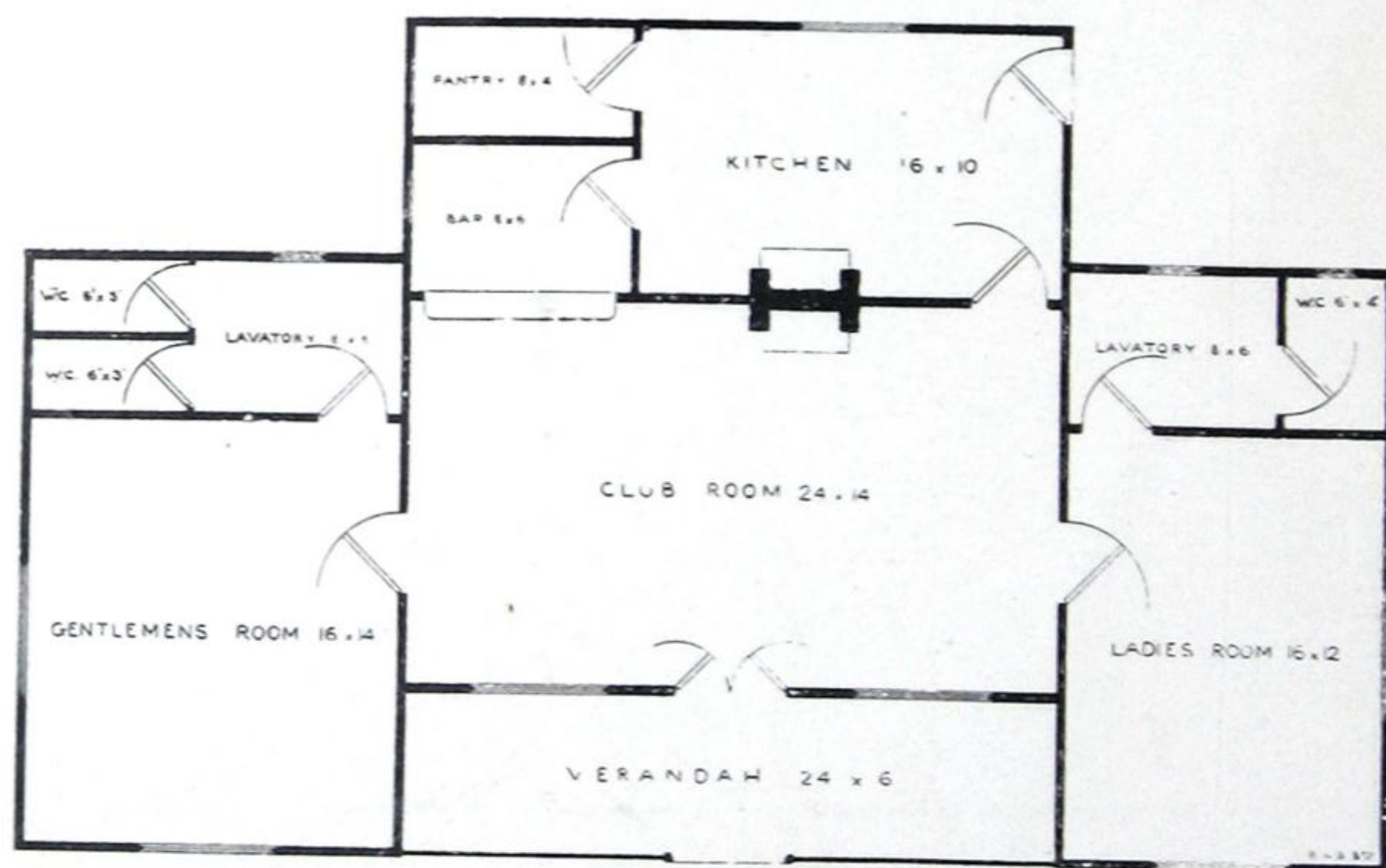
Reduction if Lockers are omitted, £46 14/6



No. 211.

**GOLF PAVILION.**

This building has complete accommodation for use both as a Pavilion and Club House at a moderate cost. Can be fitted with golf boxes if required, at an additional charge.



Approximate Price, delivered only, £190 10/-

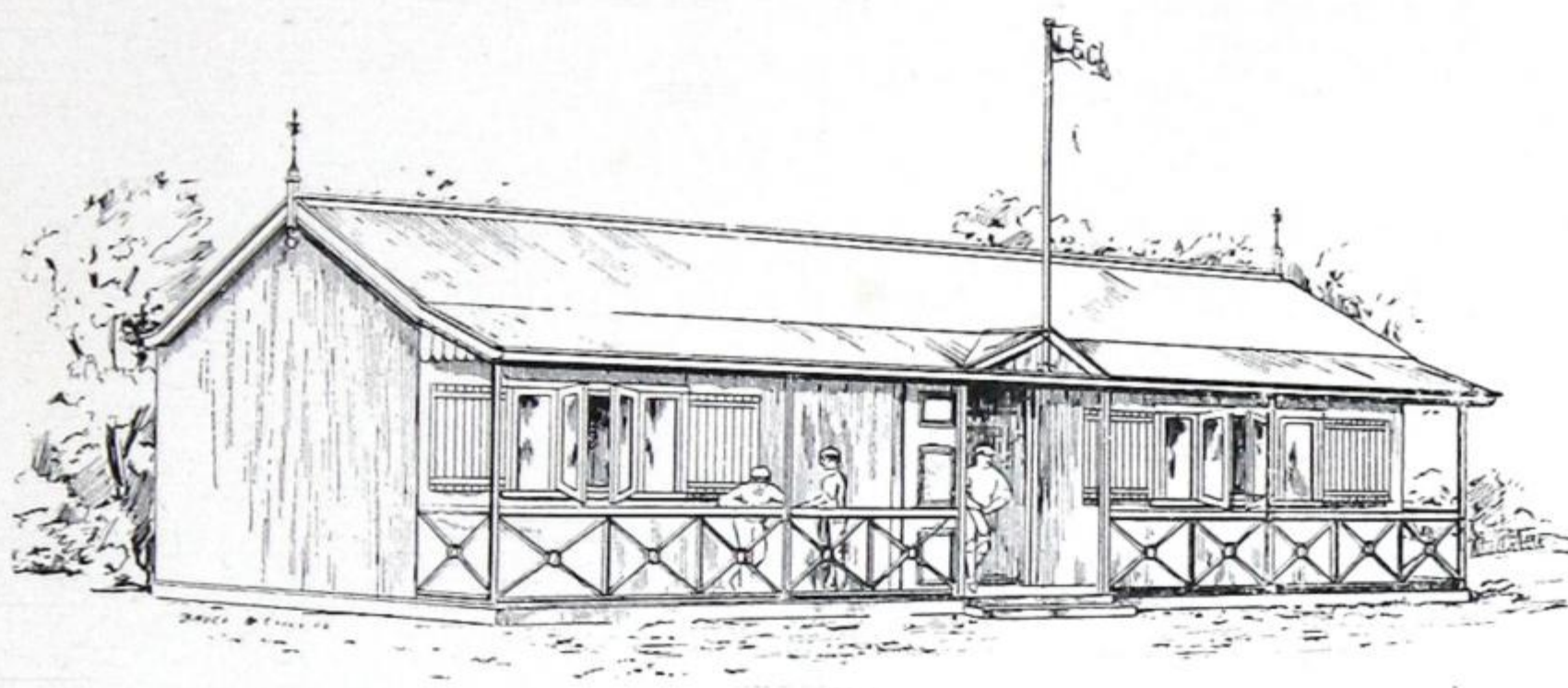
Extra for erection, £54 10/-

DESIGNS AND QUOTATIONS FOR LAWN-TENNIS AND FOOTBALL PAVILIONS,  
RACE COURSE STANDS, POLO CLUB QUARTERS, &c., SENT ON RECEIPT OF  
PARTICULARS STATING REQUIREMENTS.

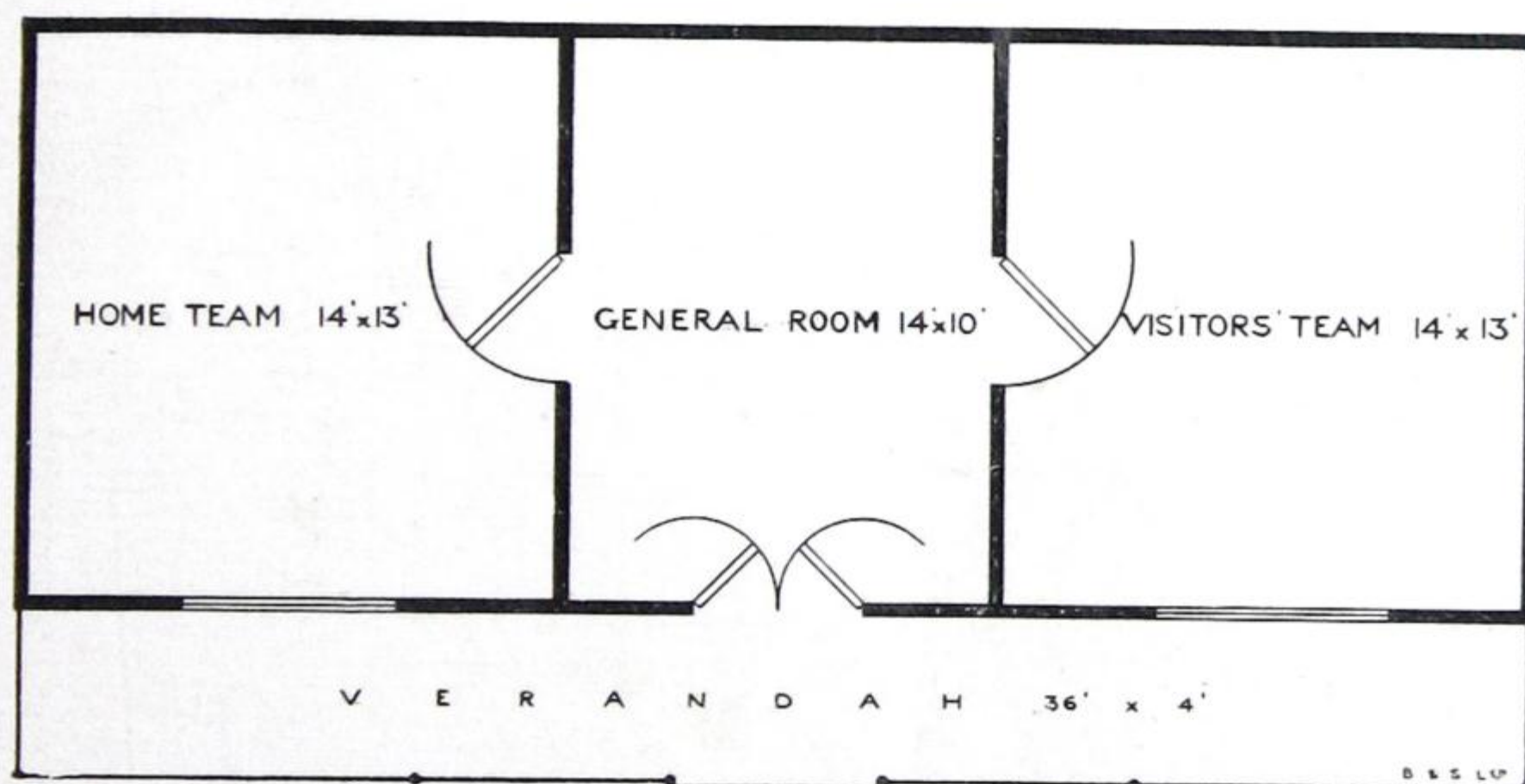


No. 212.

# CRICKET PAVILION.



Pavilion suitable for private ground, or public park. The windows are provided with timber shutters, so that the building can be thoroughly secured when not in use. Tubular columns, and ornamental iron railing to verandah.

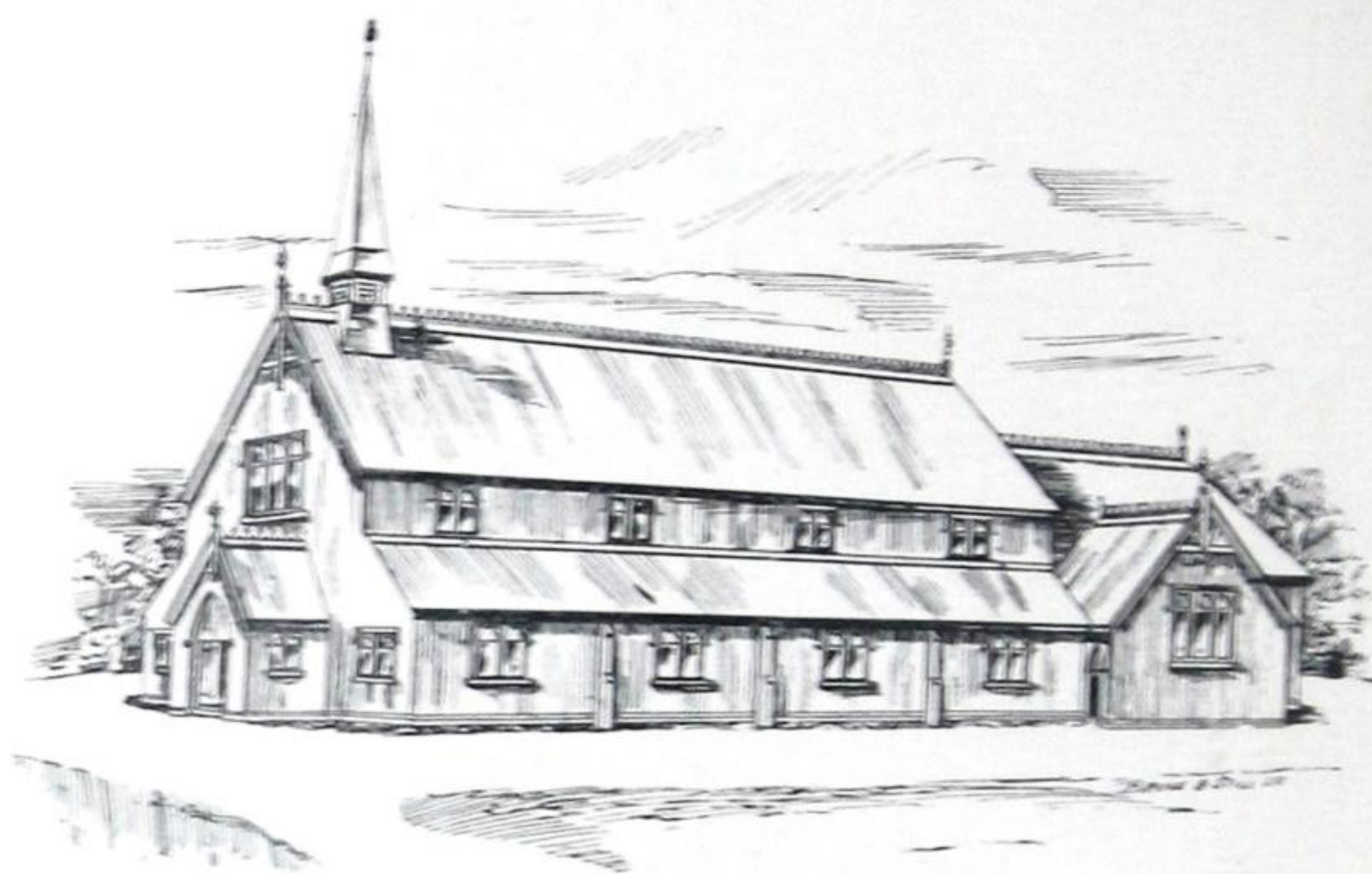


Approximate Price, delivered only, £84 10/-

Extra for erection, £24 10/-

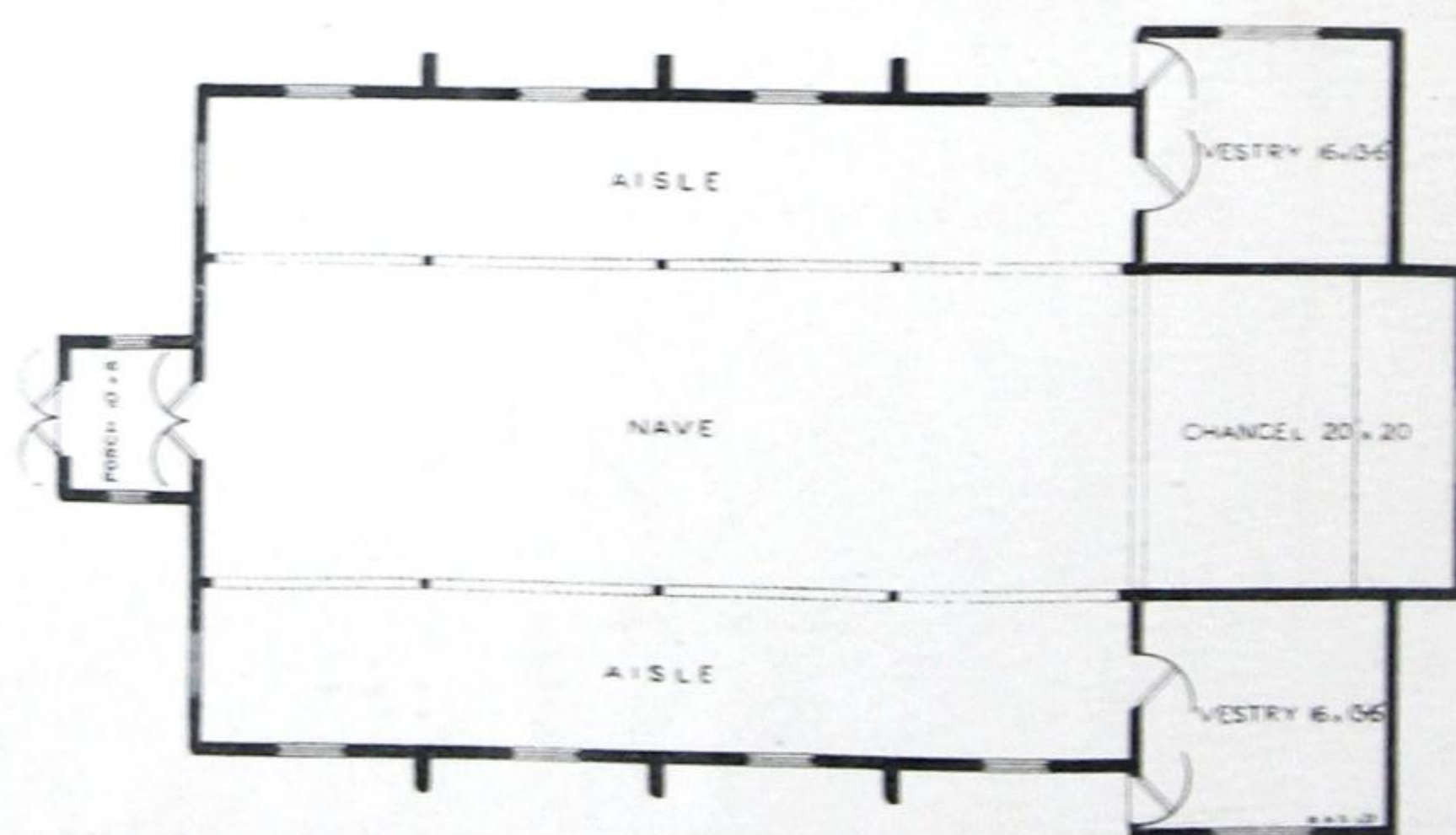


No. 213.

**CHURCH.**

Church of clerestory design, with two vestries, chancel, porch and bell turret, having a total seating accommodation for 400 adults. Buttresses at sides of main building to give additional lateral stability.

For this important class of building it is advisable, where possible, for the purchaser to place the order for the structure erected complete.



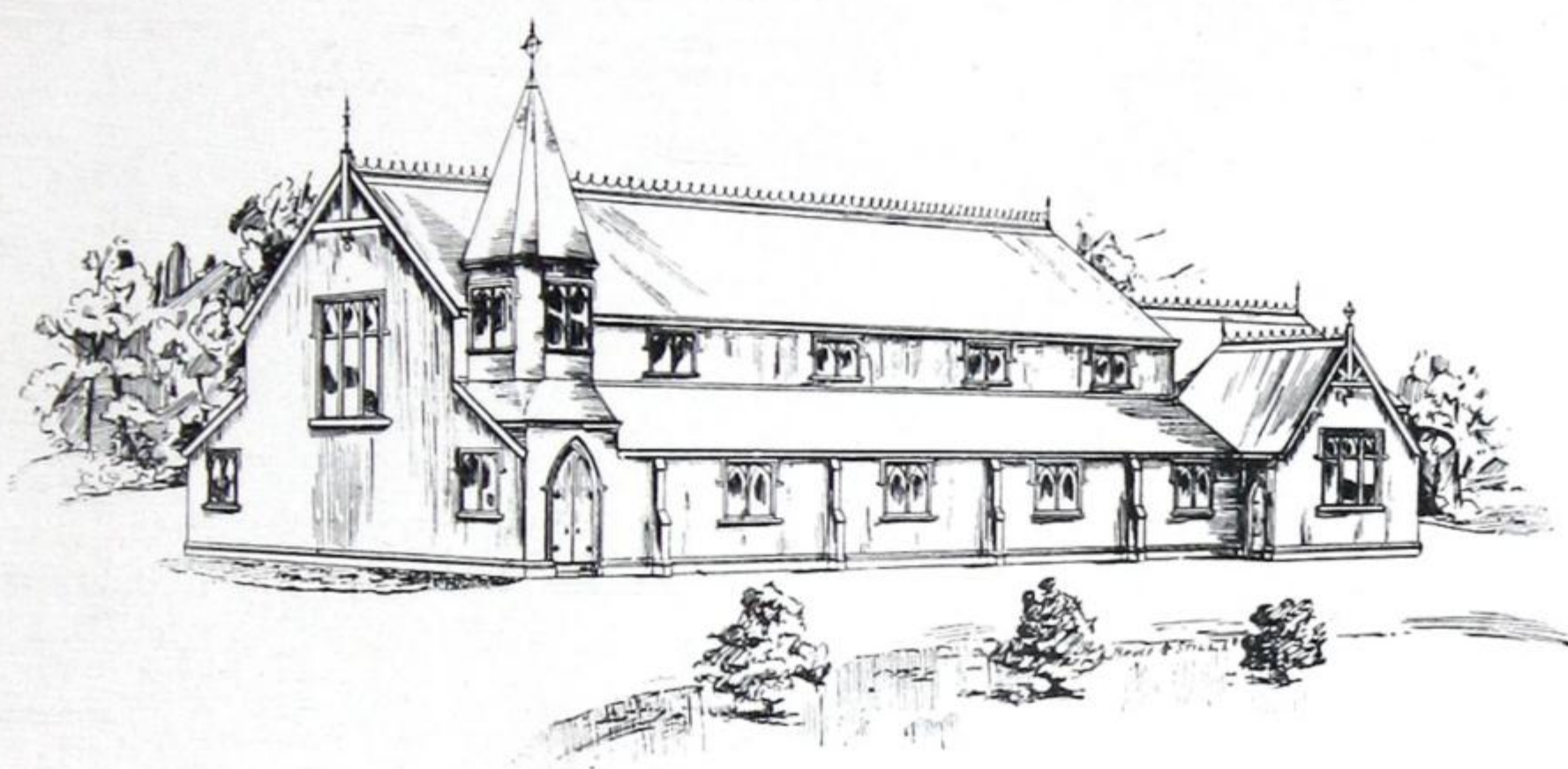
Approximate Price, delivered only, £600 0/-

Extra for erection, £180 0/-



No. 214.

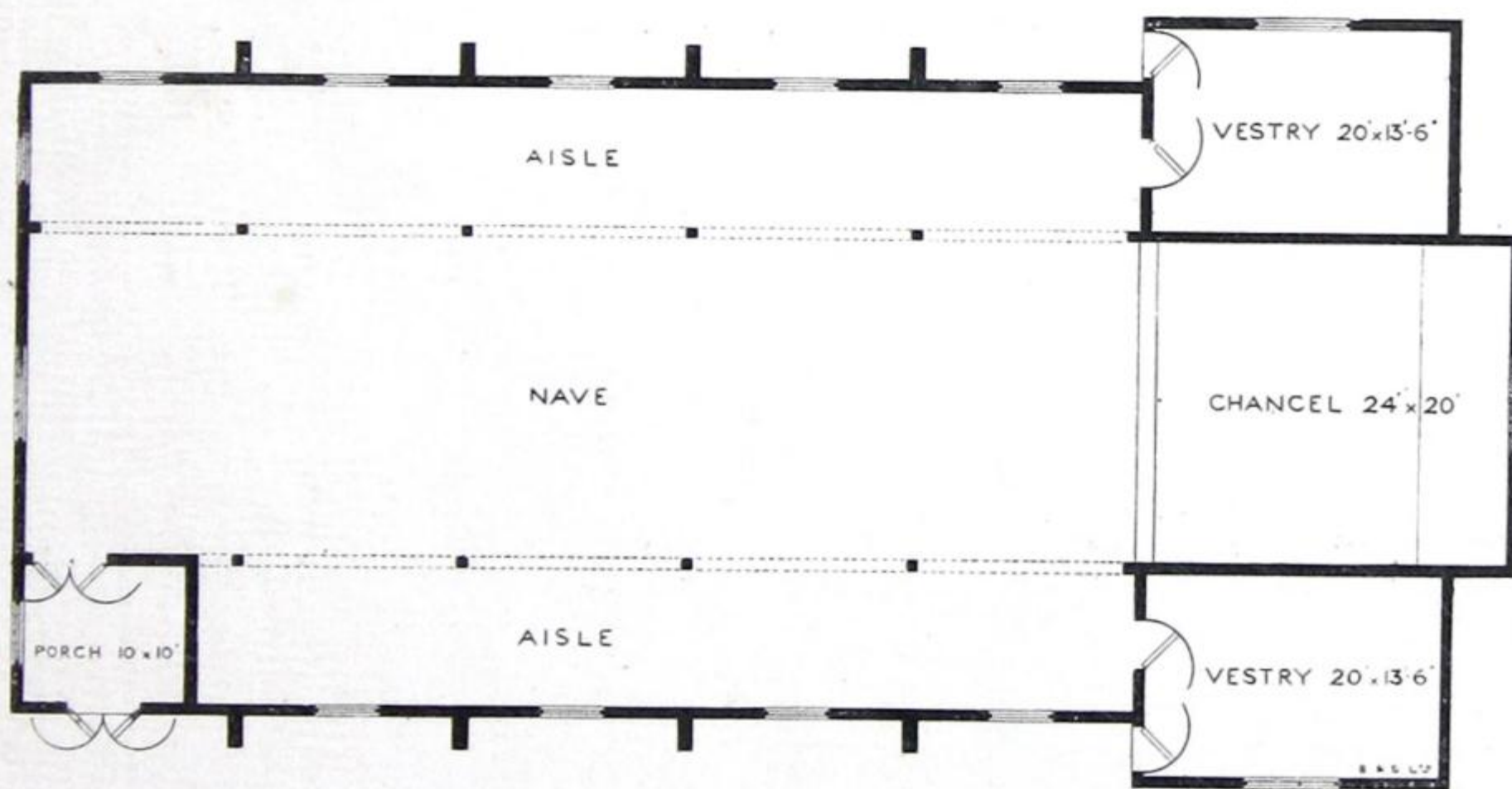
# CHURCH.



Church to seat 500 persons, with tower, and generally of an imposing ecclesiastical design.

Approximate Price, delivered only, £730 0/-

Extra for erection, £220 0/-

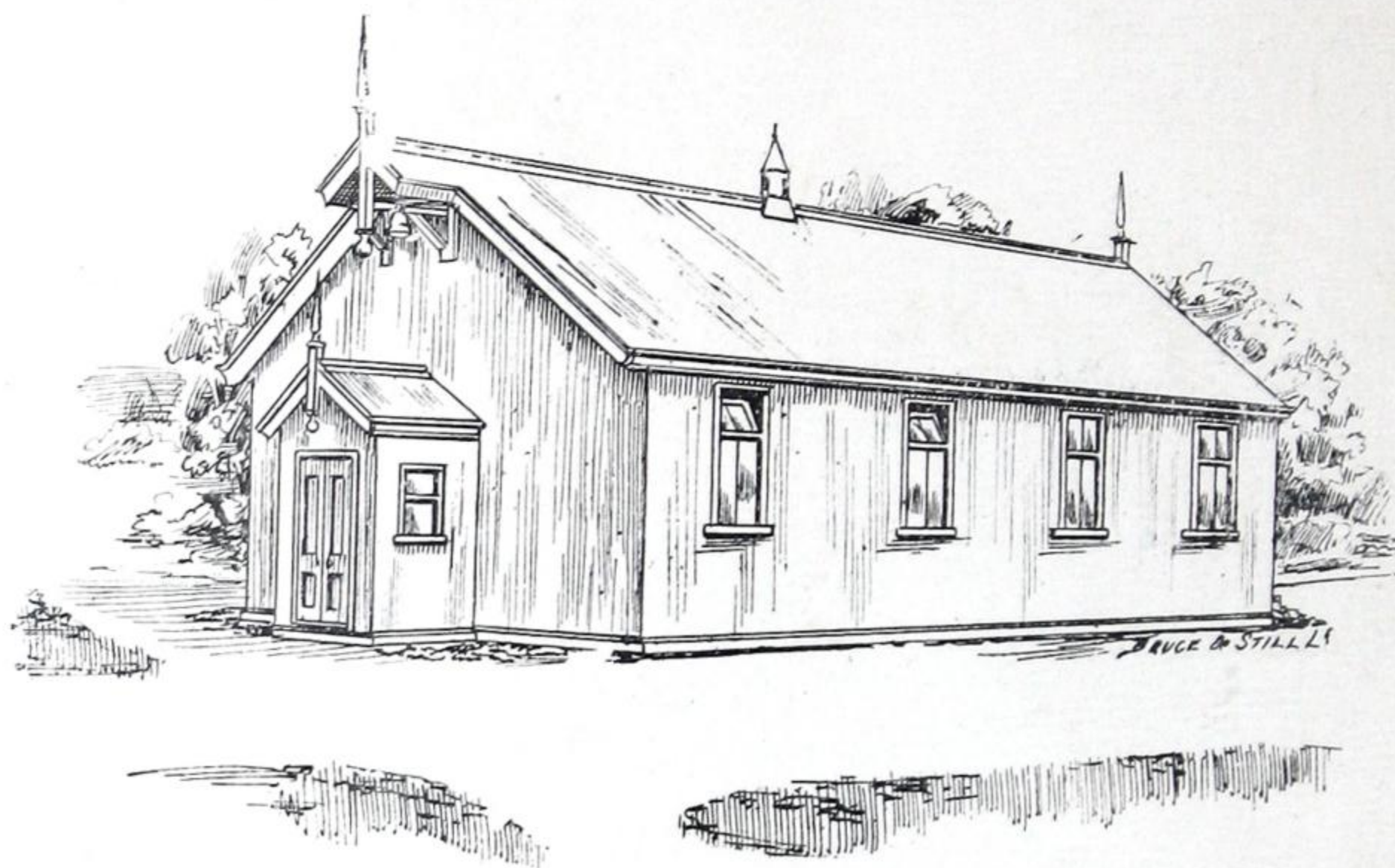


DESIGNS AND PRICES FOR CHURCHES, CHAPELS, MISSION HALLS  
AND BUILDINGS OF A SIMILAR CHARACTER, TO SUIT ANY REQUISITE  
ACCOMMODATION, FORWARDED ON RECEIPT OF ENQUIRY.

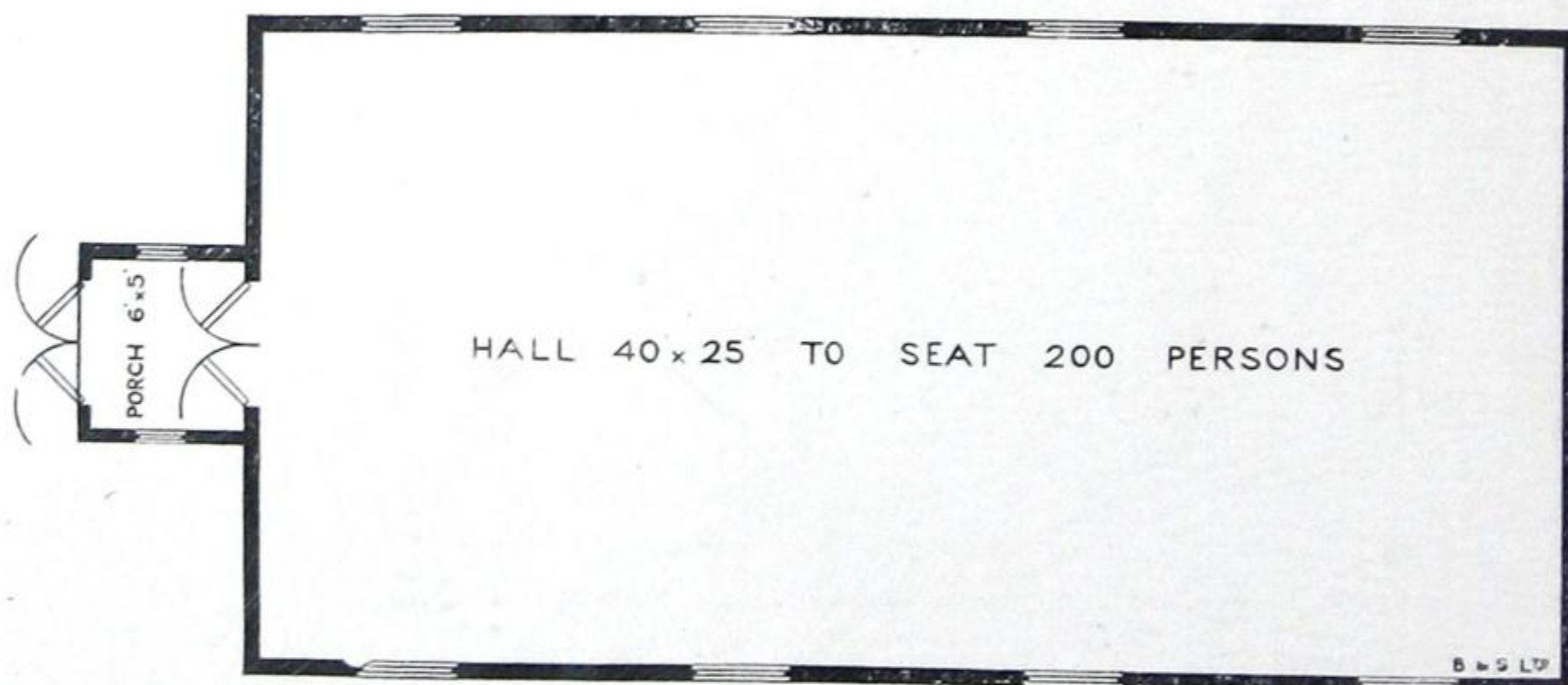


No. 215.

# MISSION HALL.



Mission Hall 40 ft. by 25 ft., giving seating accommodation for 200 persons, leaving sufficient space for platform or other internal fitments. Porch at front, and bell canopy constructed in front gable. Automatic roof ventilator in centre of main building. Bell not included.



Approximate Price, delivered only, £118 0/-

Extra for erection, £32 0/-

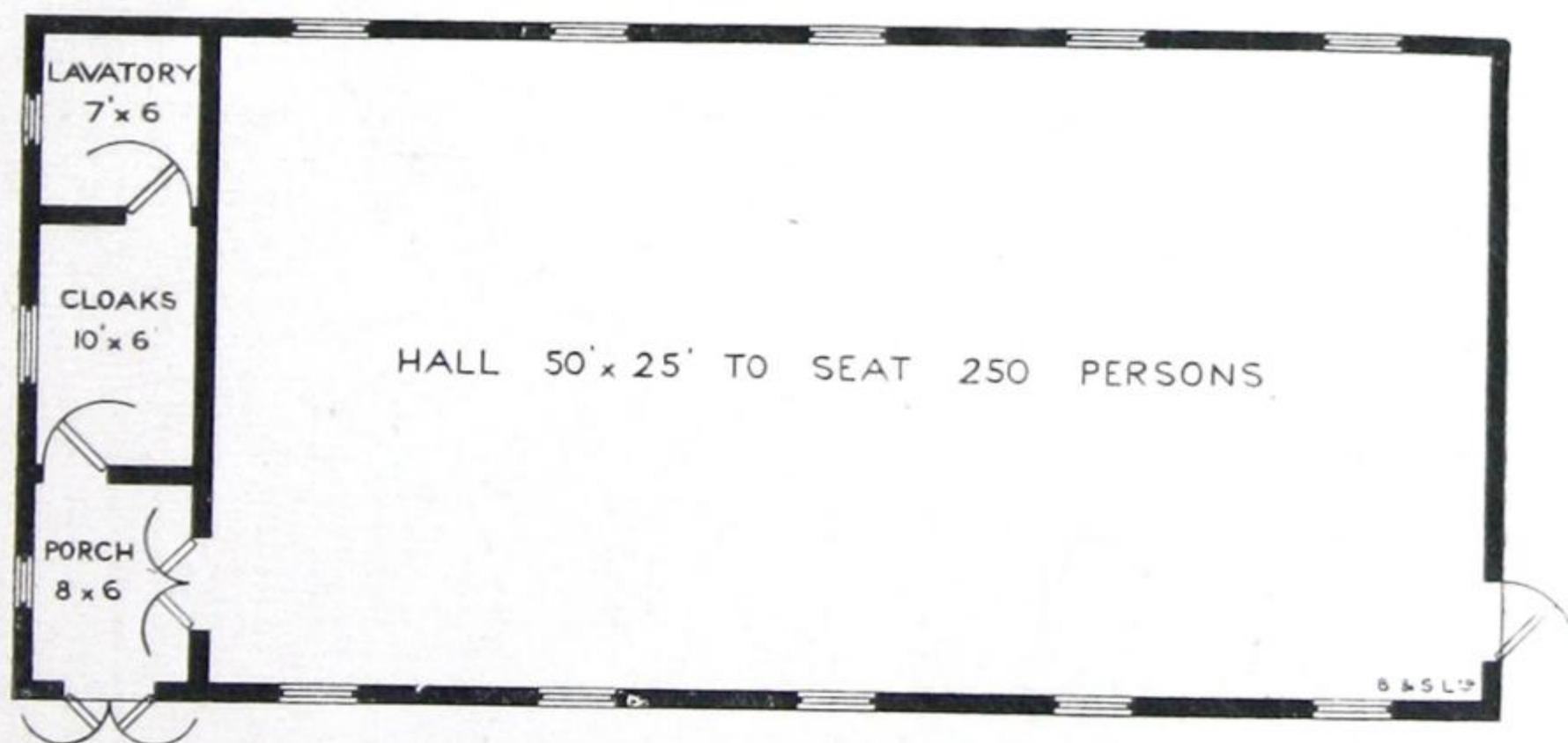


No. 216.

# MISSION HALL.



Building to seat 250 persons, suitable as Mission, Concert, or Lecture Hall. Porch, cloak-room, and lavatory, contained in annexe at front. Ventilation of main room maintained by automatic ventilator in roof, and opening sashes to upper portion of side windows. Neat bell canopy at front (no bell included).



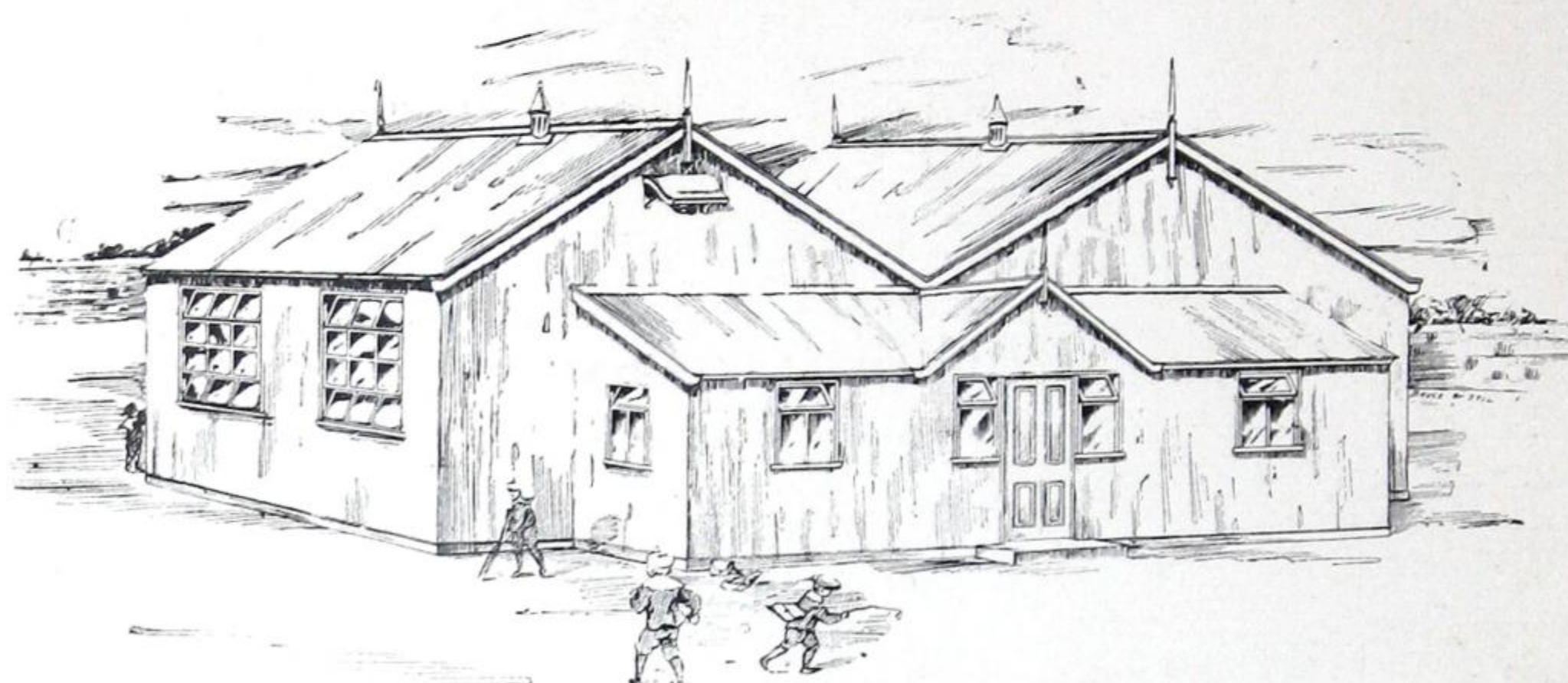
Approximate Price, delivered only, £153 0/-

Extra for erection, £41 0/-



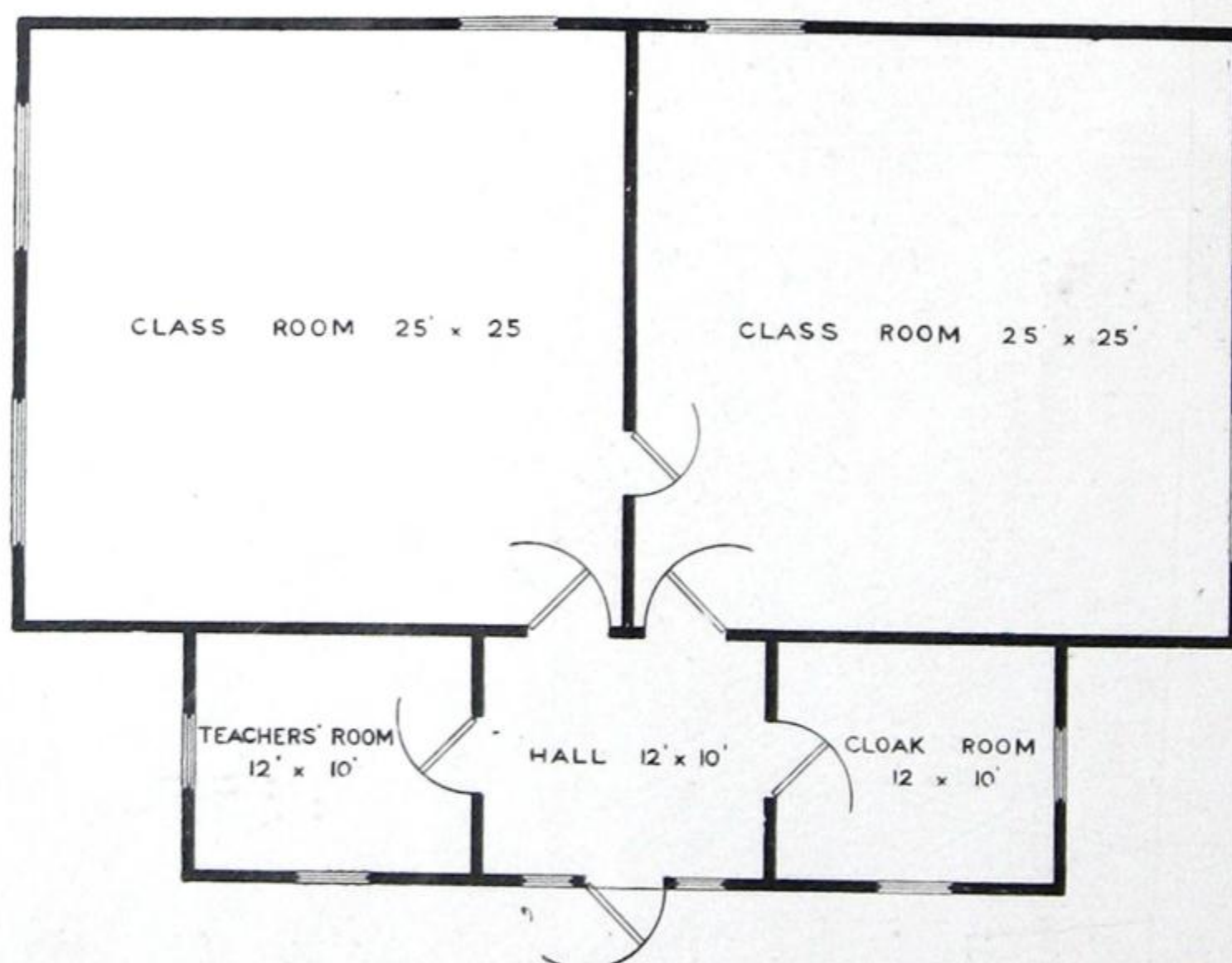
No. 217.

# SCHOOL.



School designed to accommodate 120 children, in two classrooms of 60 each. Hall, teachers' and cloak rooms, arranged at the front. Suitable as adjunct to an existing school, or as a permanent building in rural districts.

Canopy for bell at end, but bell not included



Approximate Price, delivered only, £215 10/-  
Extra for erection, £57 0/-

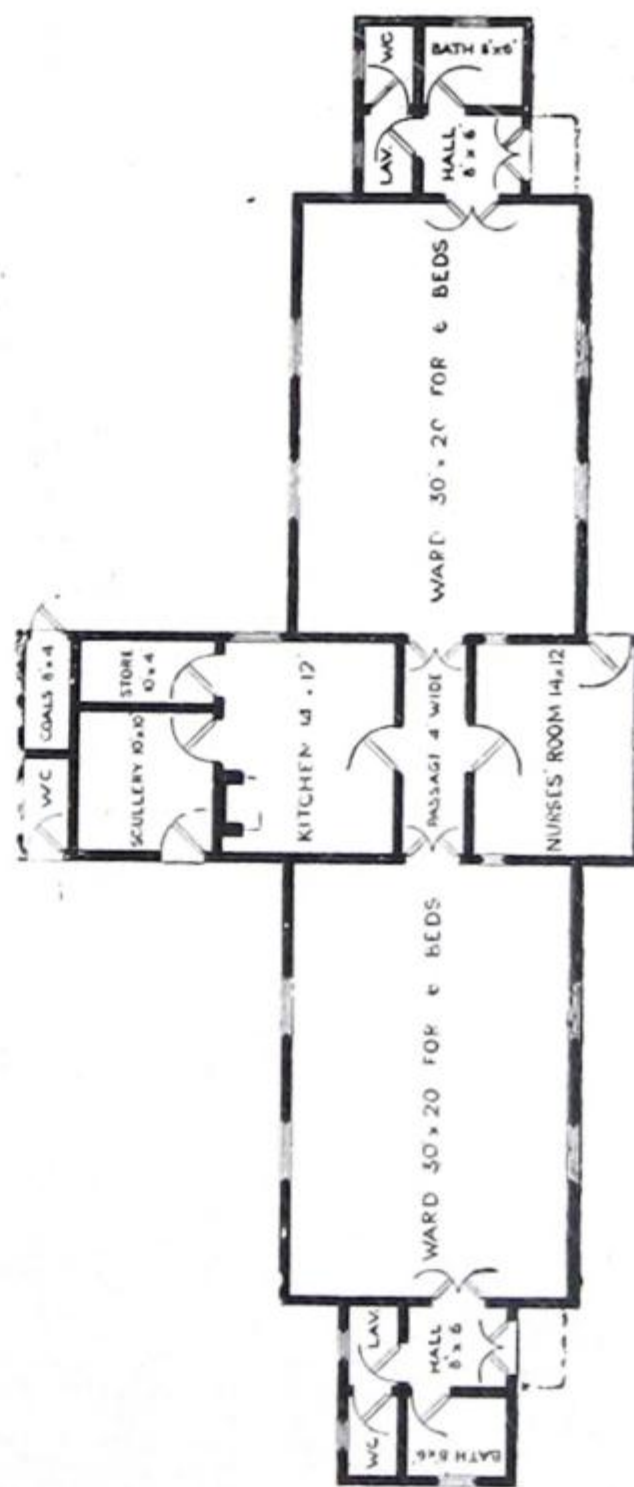
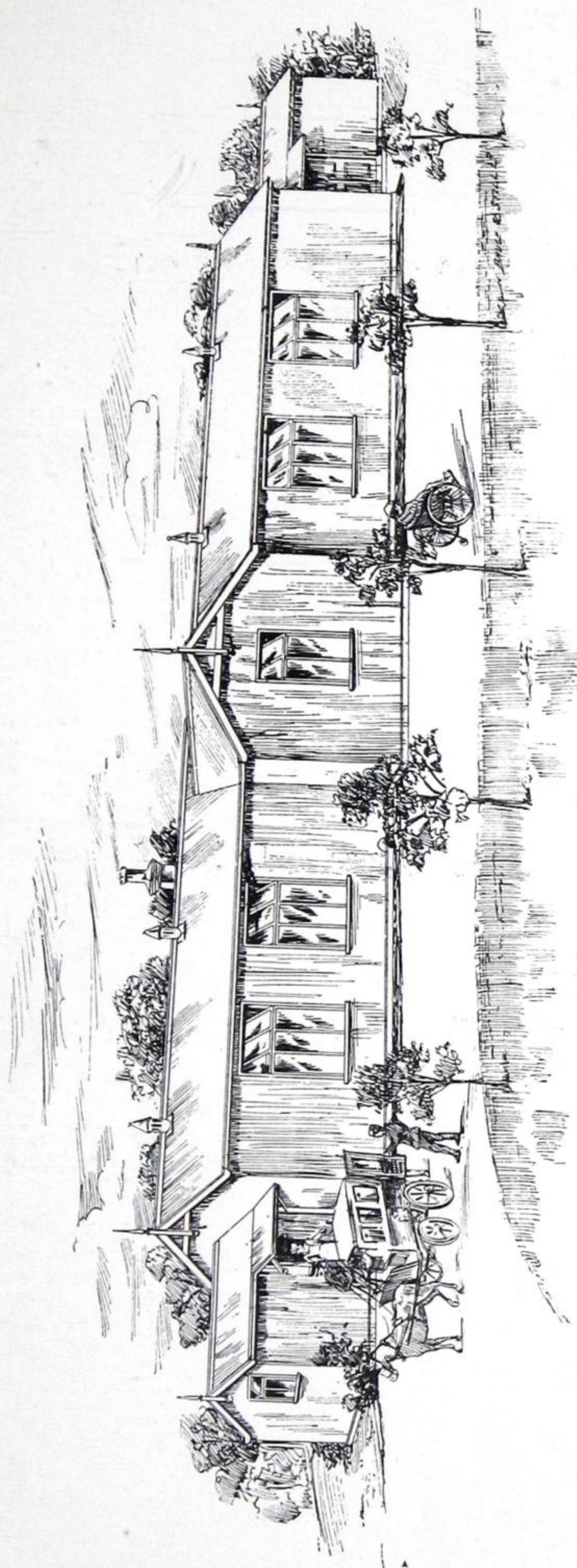


No. 218.

# HOSPITAL.

49, SEFTON STREET, LIVERPOOL.

23



Isolation Hospital for infectious diseases, or for use as a temporary ward, with quarters for administering staff. The main feature of these buildings is their adaptability to rapid erection when occasions arise. These structures are suitable for permanent or temporary purposes.

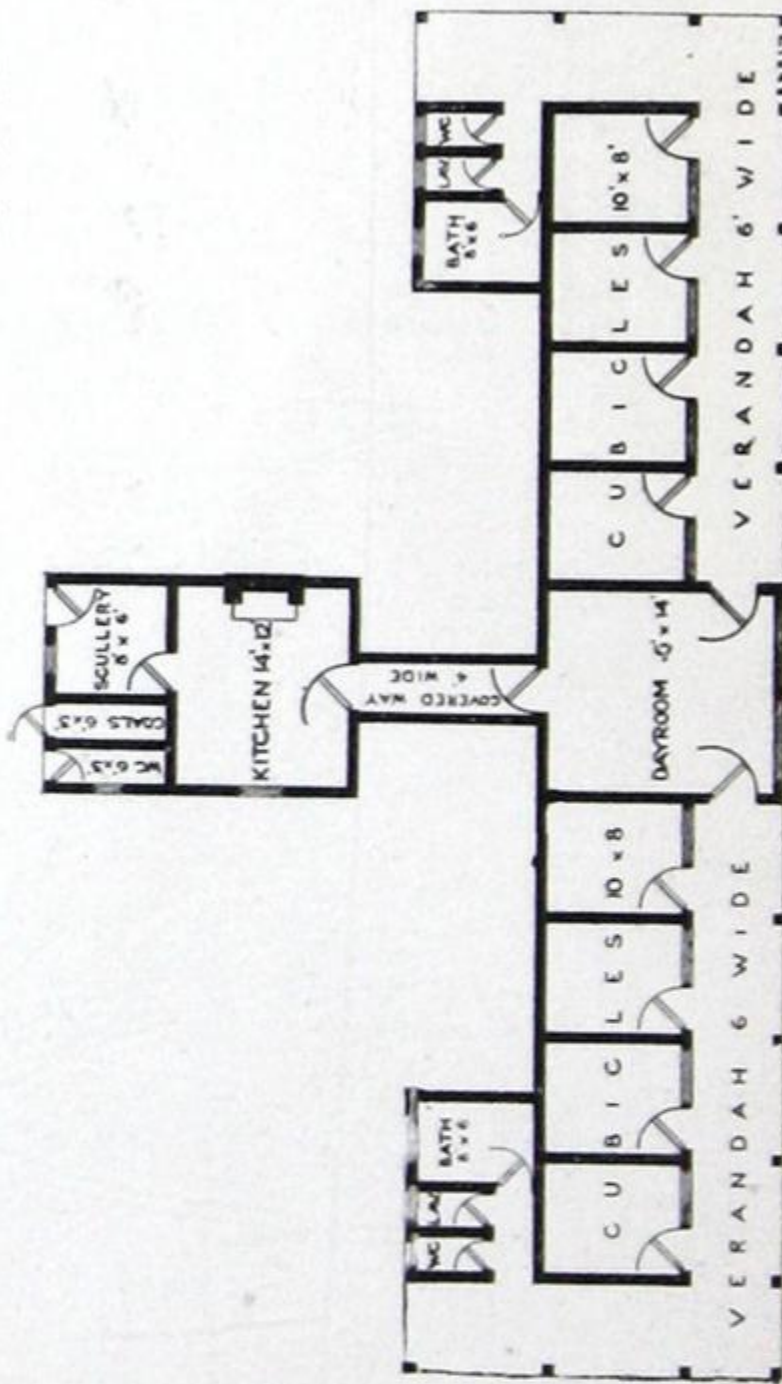
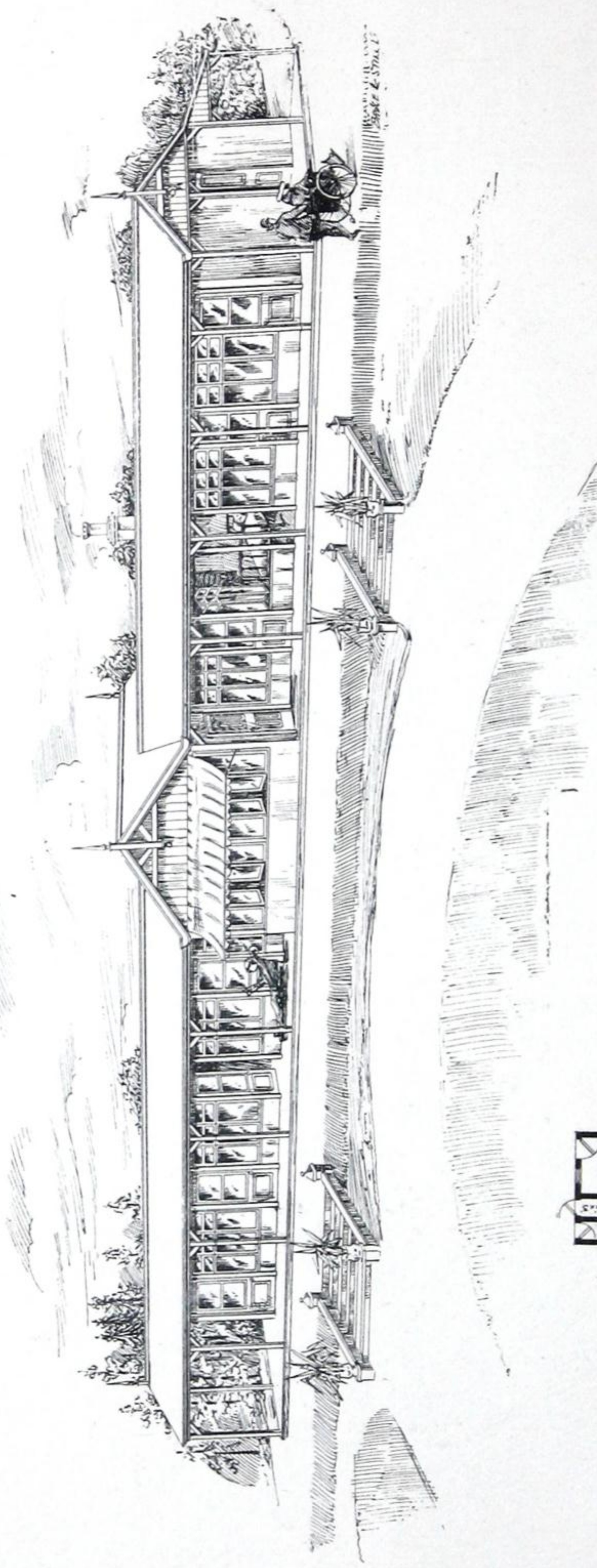
Approximate Price, delivered only, £309 0/-

Extra for erection, £83 0/-



No. 219.

# SANATORIUM.



Sanatorium for the out-door treatment of consumption, &c., or for use as a recruiting establishment for convalescent invalids. The windows of the bedrooms are arranged to open entirely, so as to allow the free admittance of the open air when required. Necessary offices arranged in detached building at back, with communication by covered way.

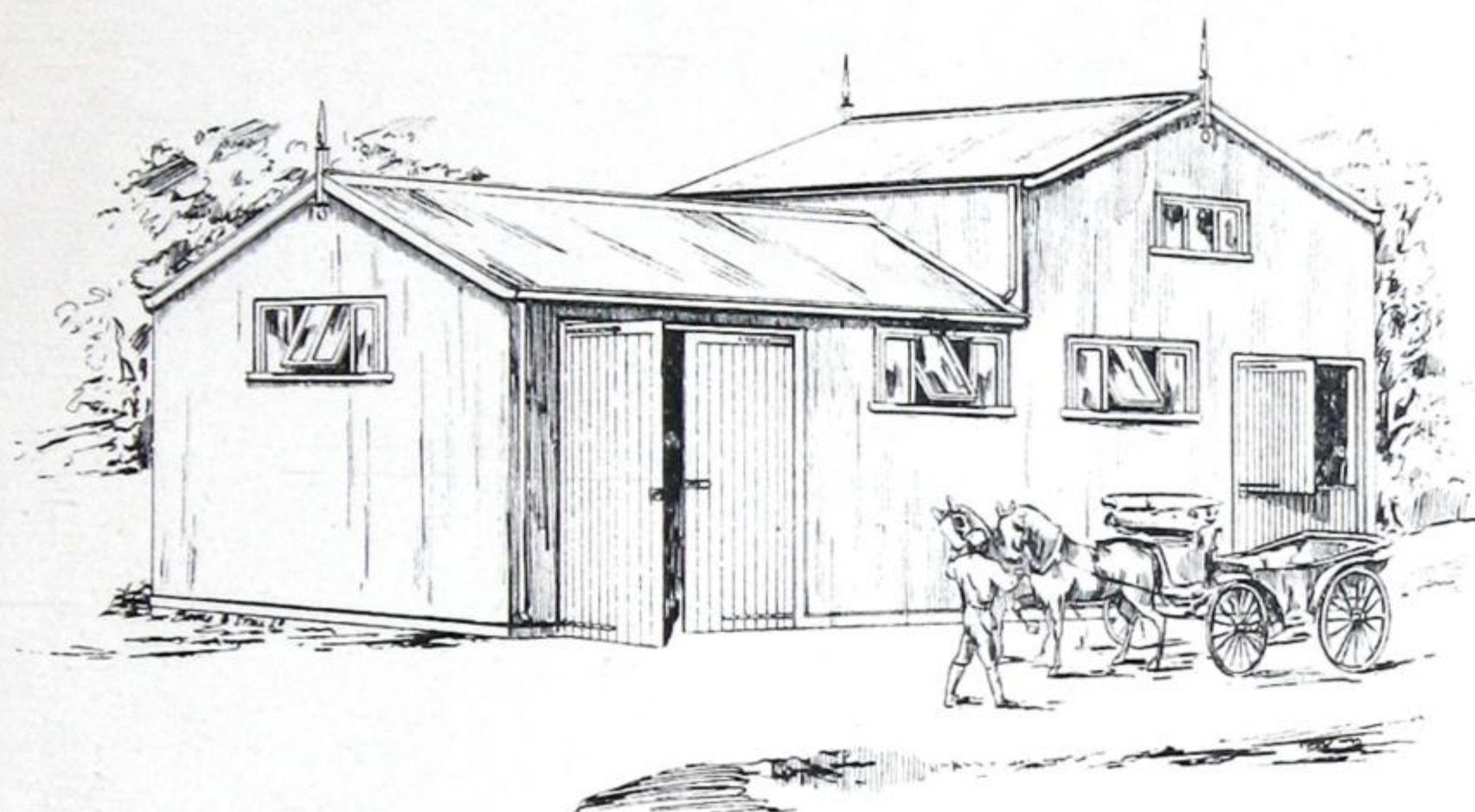
Approximate Price, delivered only, £292 0/-

Extra for erection, £84 0/-

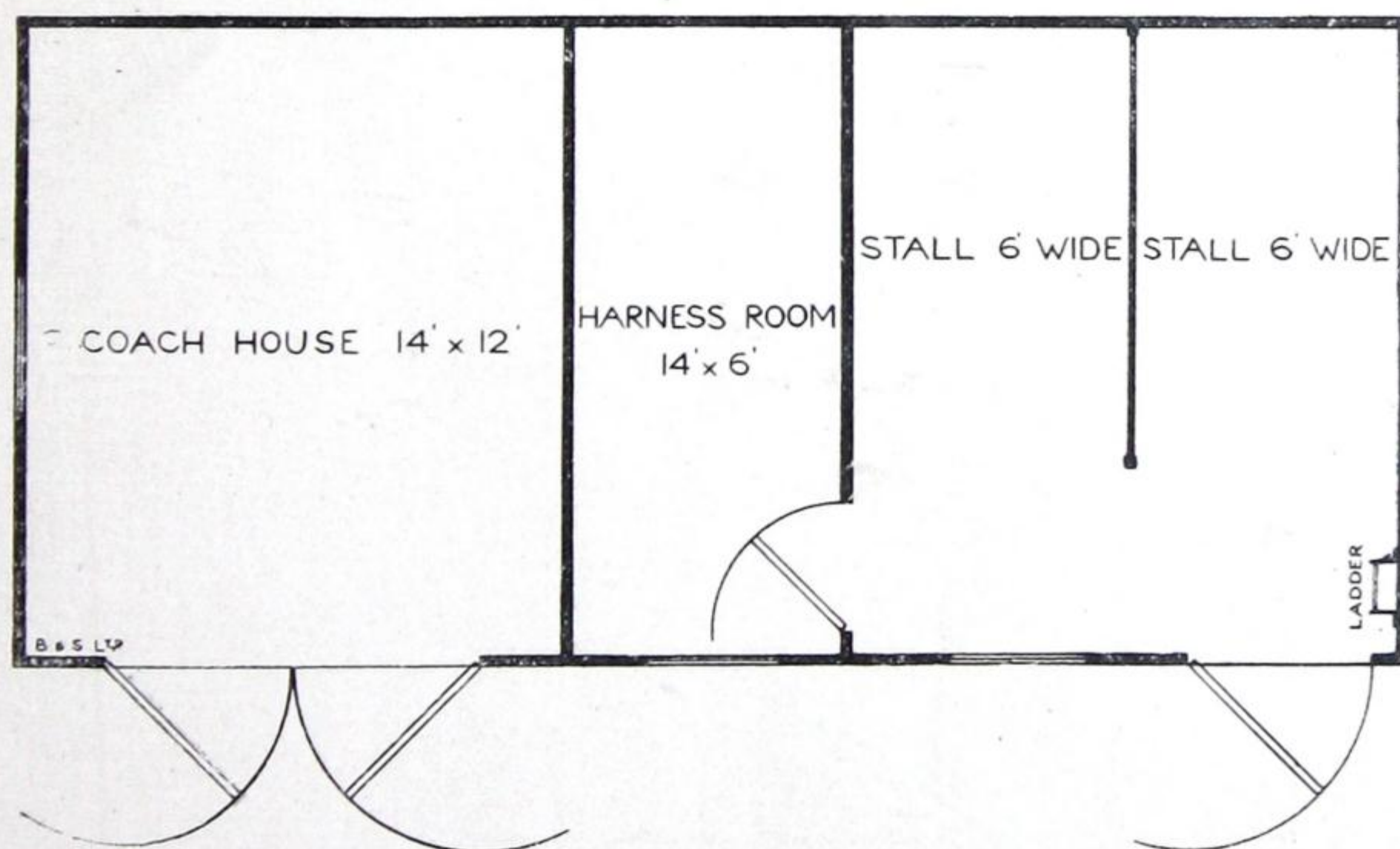


No. 220.

# STABLE, HARNESS ROOM & COACH-HOUSE.



Stabling suitable for private or business purposes. Loft over stalls with access to same by means of iron ladder. Floor of brick or concrete. 1 in. lining boards to sides and ends.  $\frac{5}{8}$  in. ceiling to roof. Internal stall division of timber.



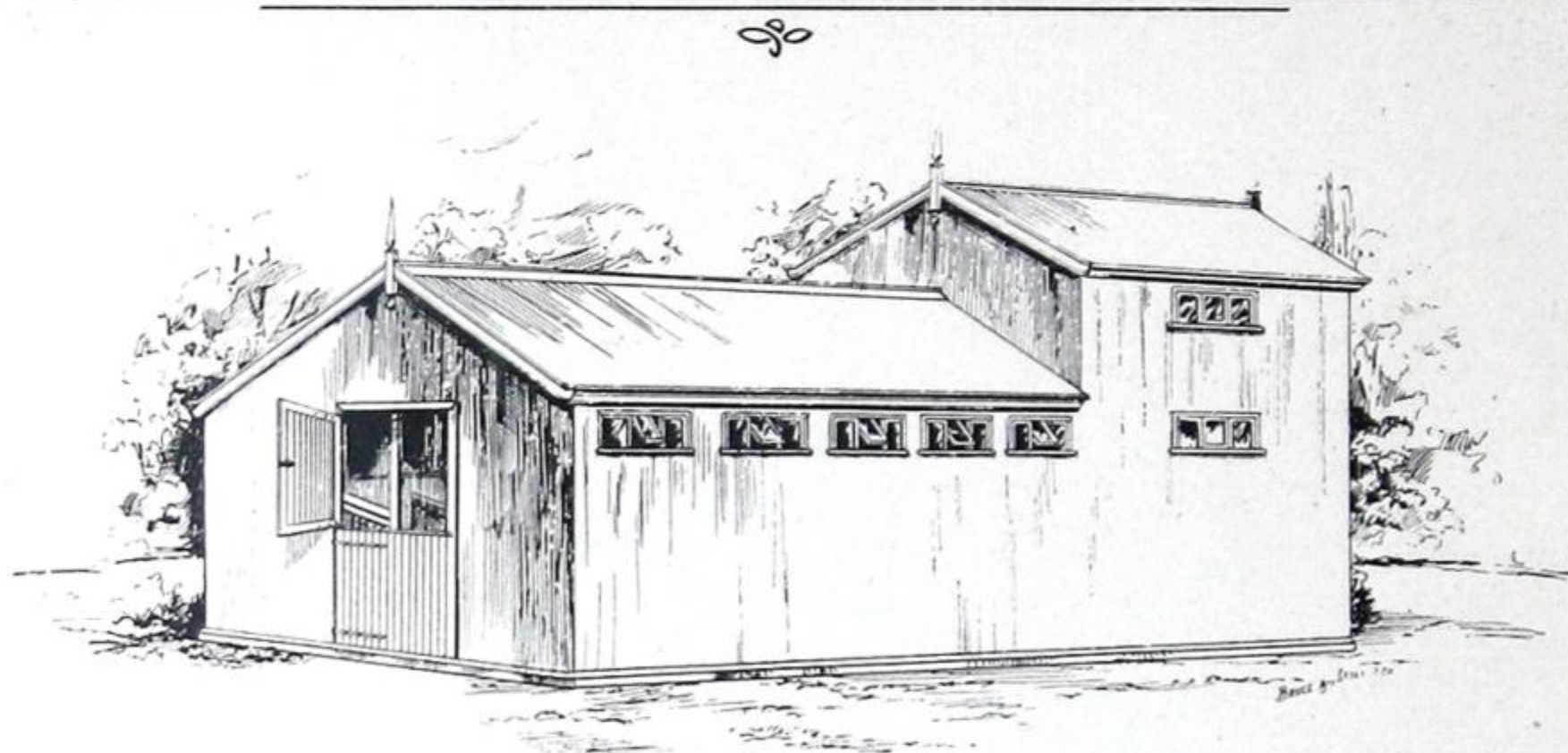
Approximate Price, delivered only, £74 0/-

Extra for erection, £21 0/-

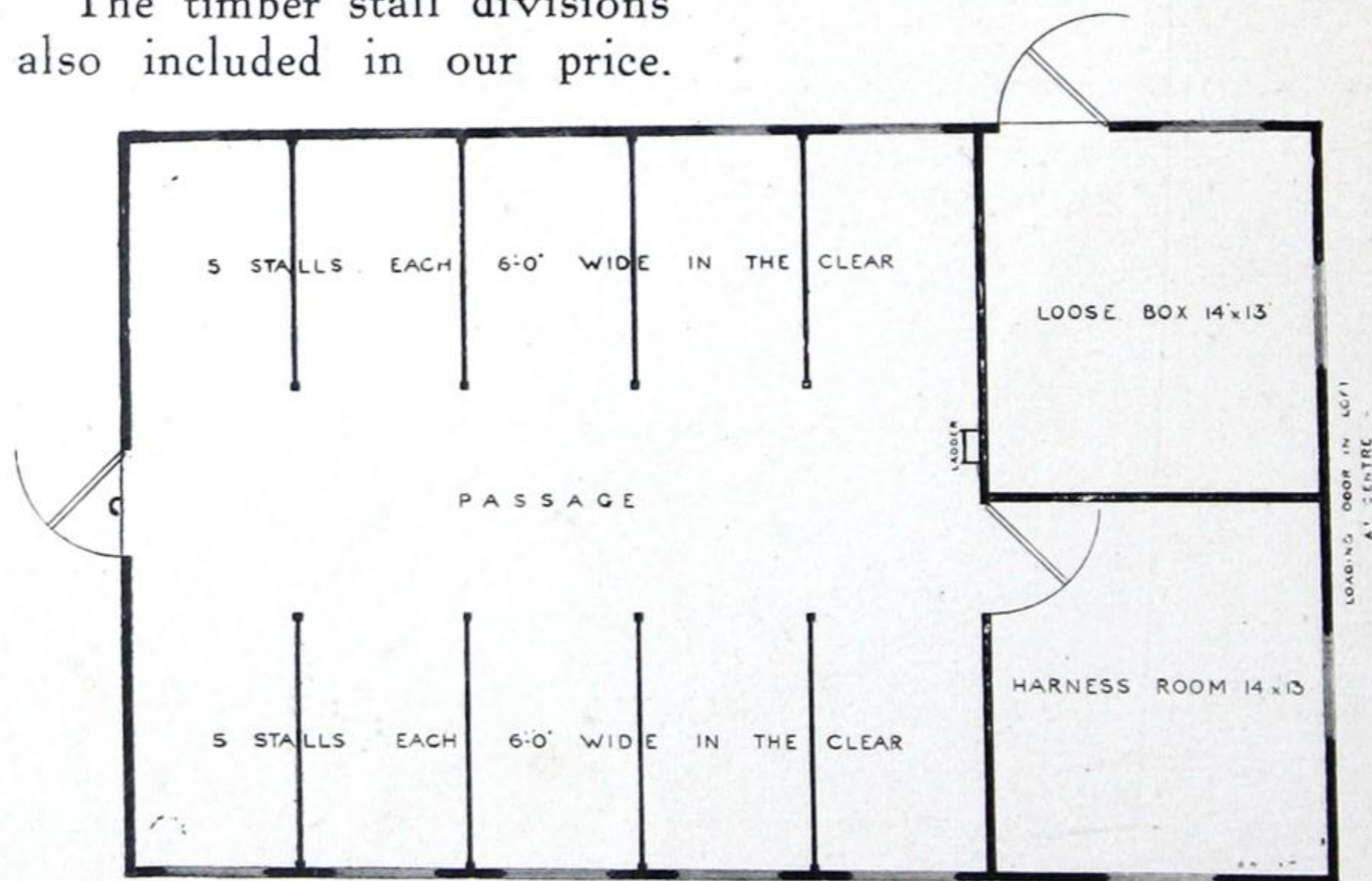


No. 221.

## Range of Stables, with Loose Box, Harness Room and Loft.



This stable is arranged to suit the requirements of team owners, cartage agents, coal merchants, &c., who need accommodation for a number of horses in a compact and separate building. The floor would be supplied by purchaser in brick or concrete, the loft floor being of 1 inch tongued and grooved boards supported on the necessary timber floor joists and beams. In the back gable end a loading door is provided in the loft, with an opening at the opposite end for delivering the fodder to the stable beneath. Vertical iron ladder to obtain access to the loft. The timber stall divisions are also included in our price.

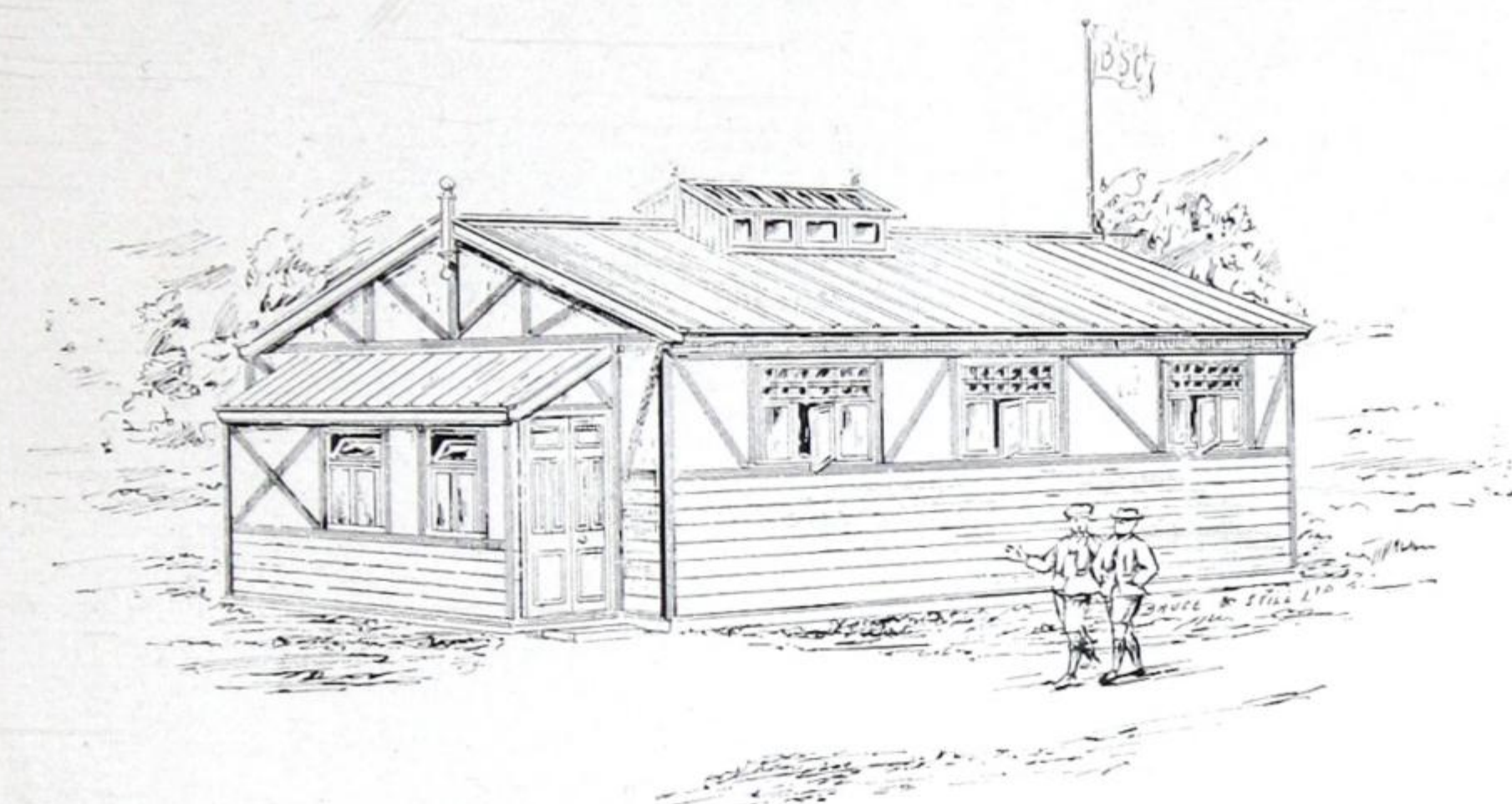


Approximate Price, delivered only, £151 0/-  
Do. erected complete, £191 0/-

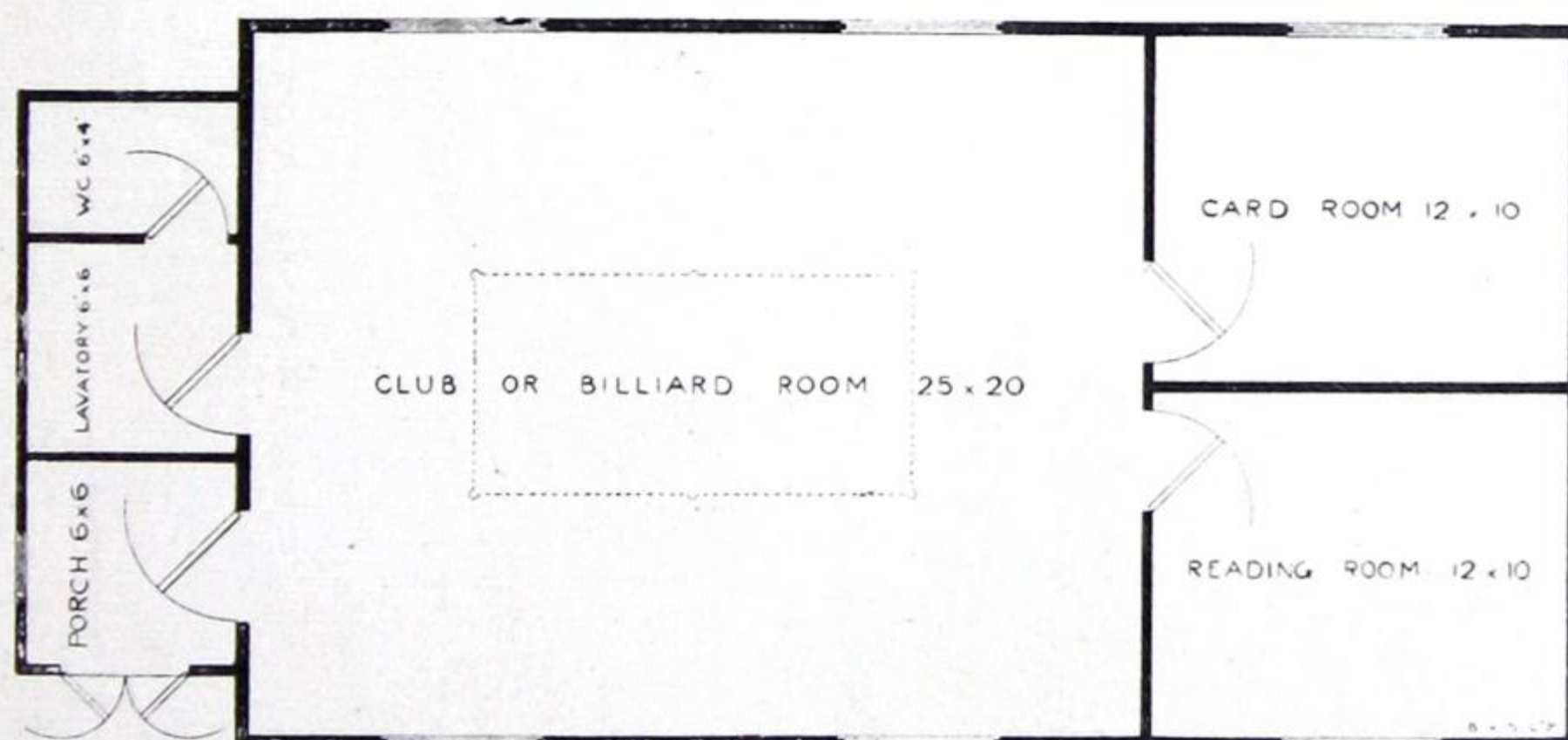


No. 222.

# CLUB HOUSE.



This building has been designed to act as suitable club quarters in rural districts, &c., being complete and compact for such purposes. Billiard-room well lighted by side windows, and lantern in roof. Exterior ornamentally finished in Old English style of half timbering. Top portion of large windows having tinted cathedral glass in upper panes, random glazed, as an additional feature of ornamentation. Roofs covered with Italian pattern galvanized steel tiles.



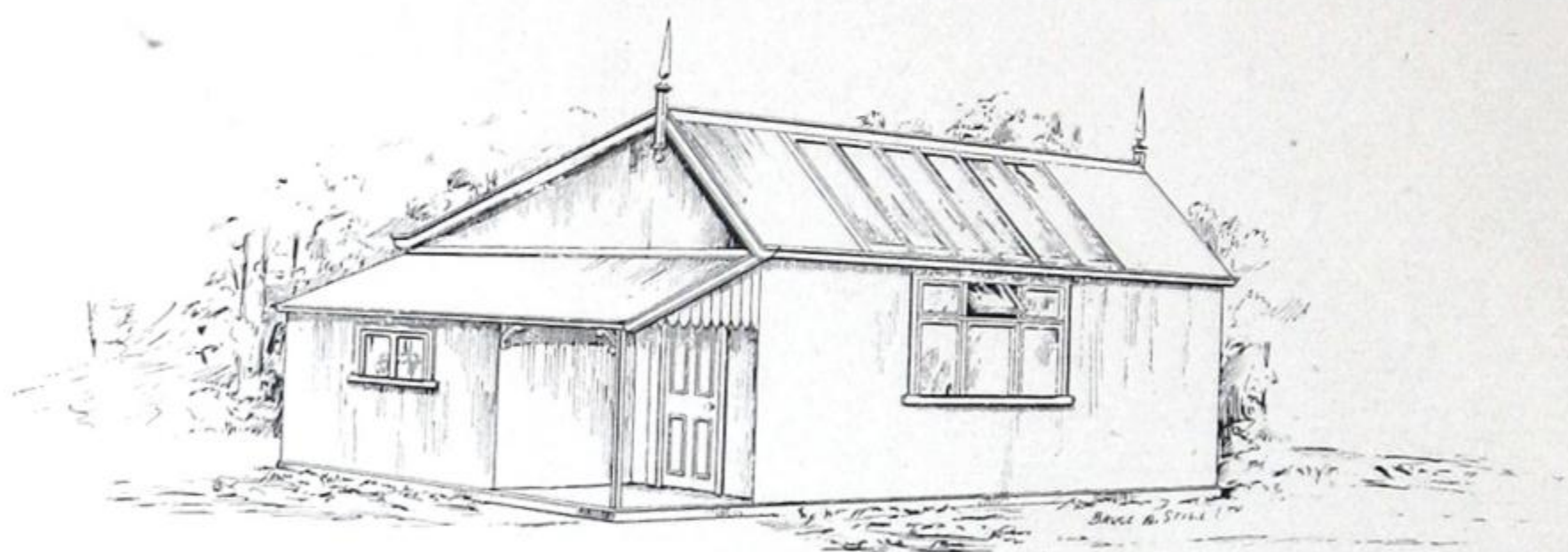
Approximate Price, delivered only, £127 10/-

Extra for erection, £40 0/-

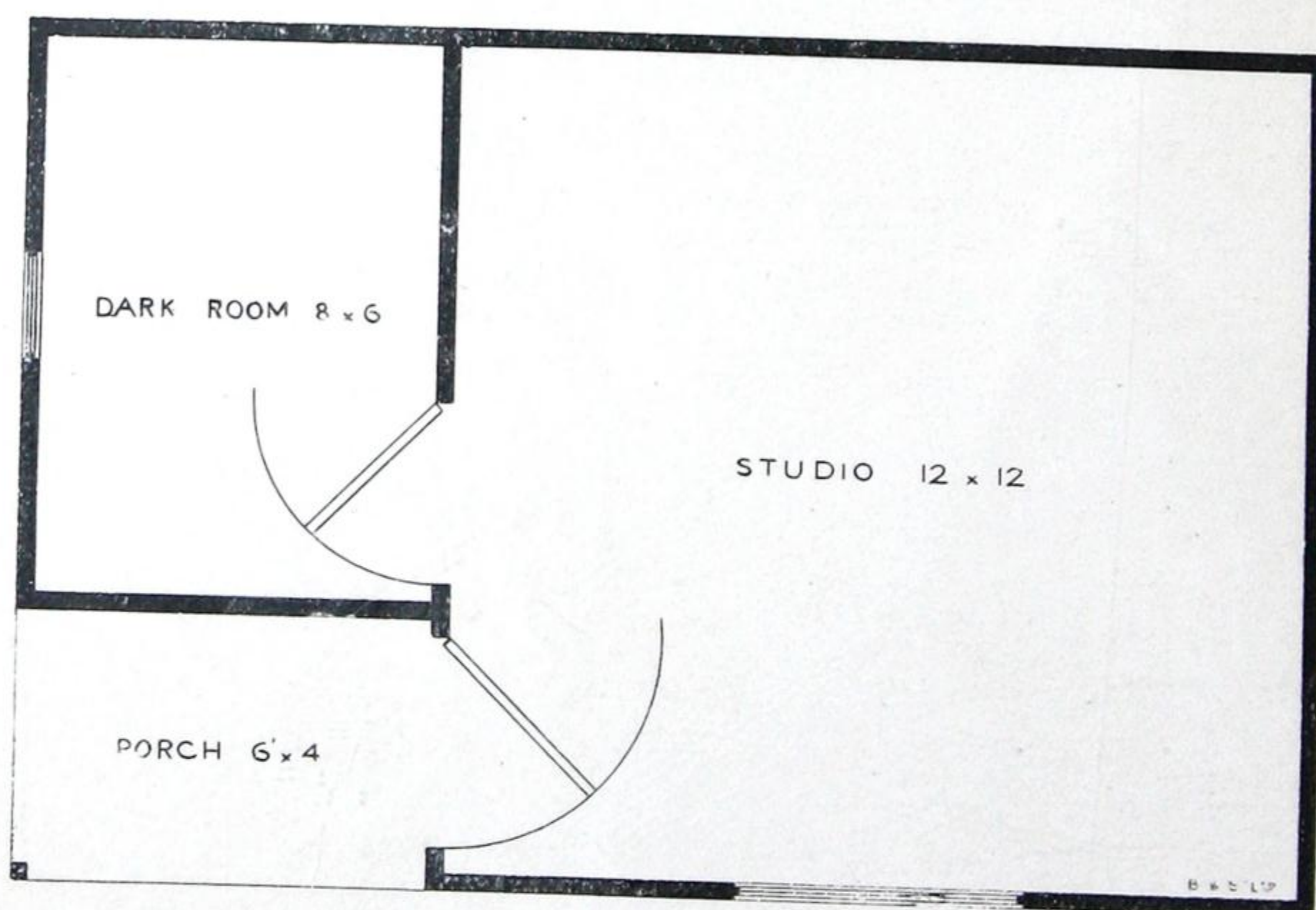


No. 223.

## PHOTOGRAPHIC STUDIO.



Detached Studio with dark-room and porch. Large window and roof skylight in studio, and ruby glazed light to darkroom. Constructed with "North light" design of roof, which can, however, be substituted by an ordinary pitched roof if preferred. Arrangement of doors and lights may be altered to suit any particular site, without extra charge.



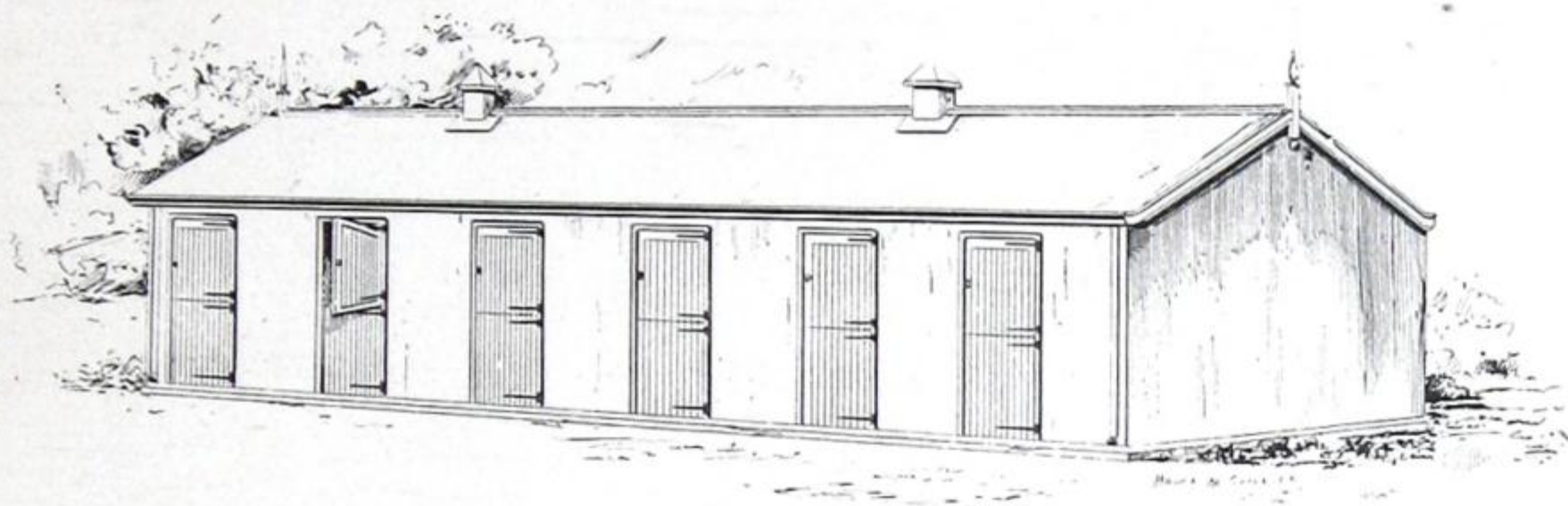
Approximate Price, delivered only, £38 10/-

Extra for erection, £12 10/-



No. 224.

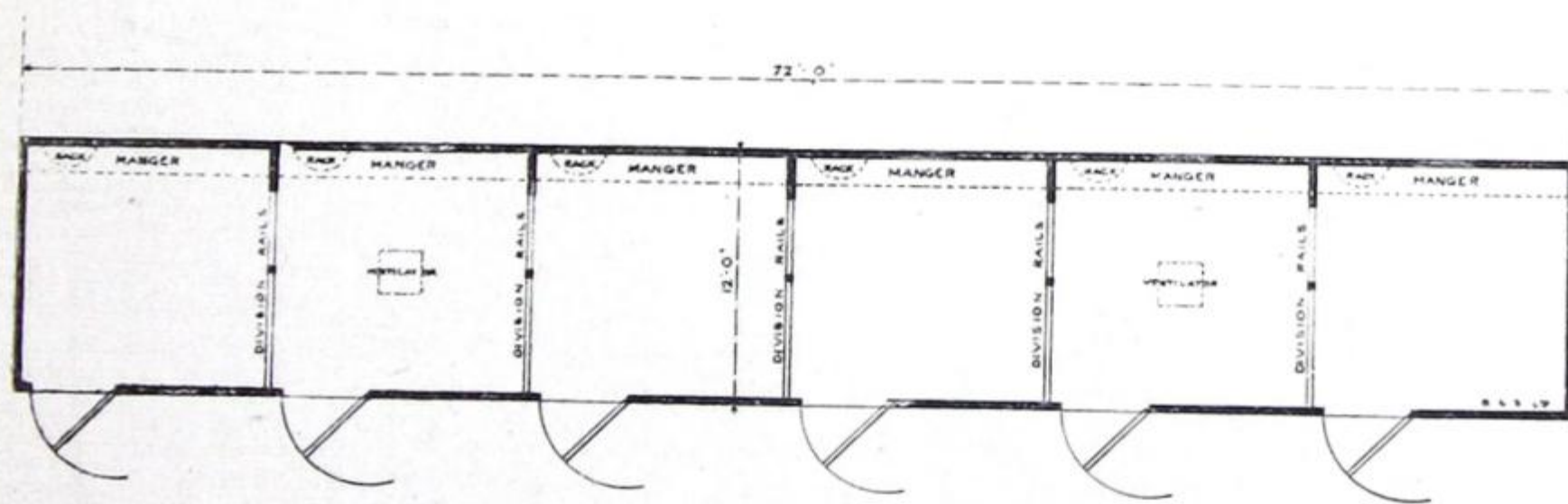
# COWHOUSE.



AS DESIGNED AND ERECTED BY US FOR A SUCCESSFUL PRIZE WINNING BREEDER.

This building would be equally suitable as a range of stables or loose boxes. For use as a cowhouse the interior is divided into 6 stalls by rail divisions 5 feet high, boarded up solid where adjoining the mangers to avoid contamination of food in case of sickness. The mangers, which are the full length of each stall, are made of pitch pine timber  $1\frac{1}{2}$  in. thick, 15 in. wide, and 12 in. deep, these being intended for large horned prize breed cattle; 30 in. hayrack in each stall. Light obtained from windows at the back, each having a central portion made to open on pivots for ventilation; also two large ventilators in the roof.

Boarding to side and end walls 1 in. thick.



Approximate Price, delivered only, £105 0/-

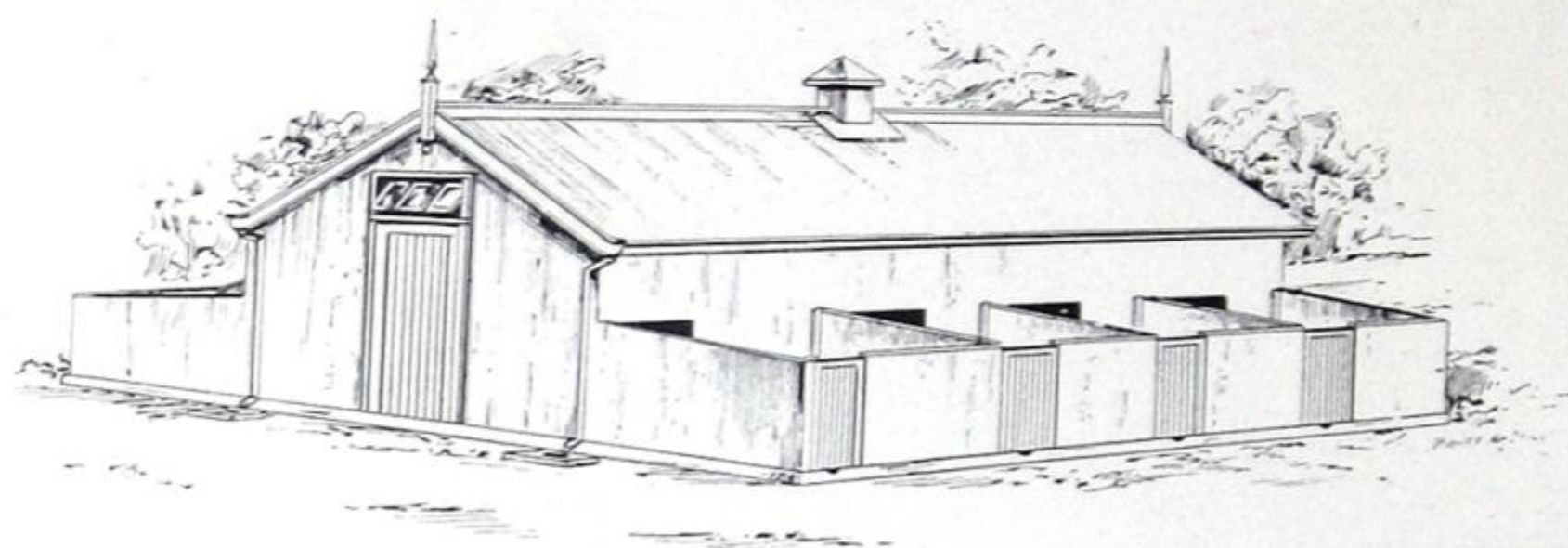
Do. erected complete, £128 0/-

Reduction for Racks and Mangers, £7 10/-



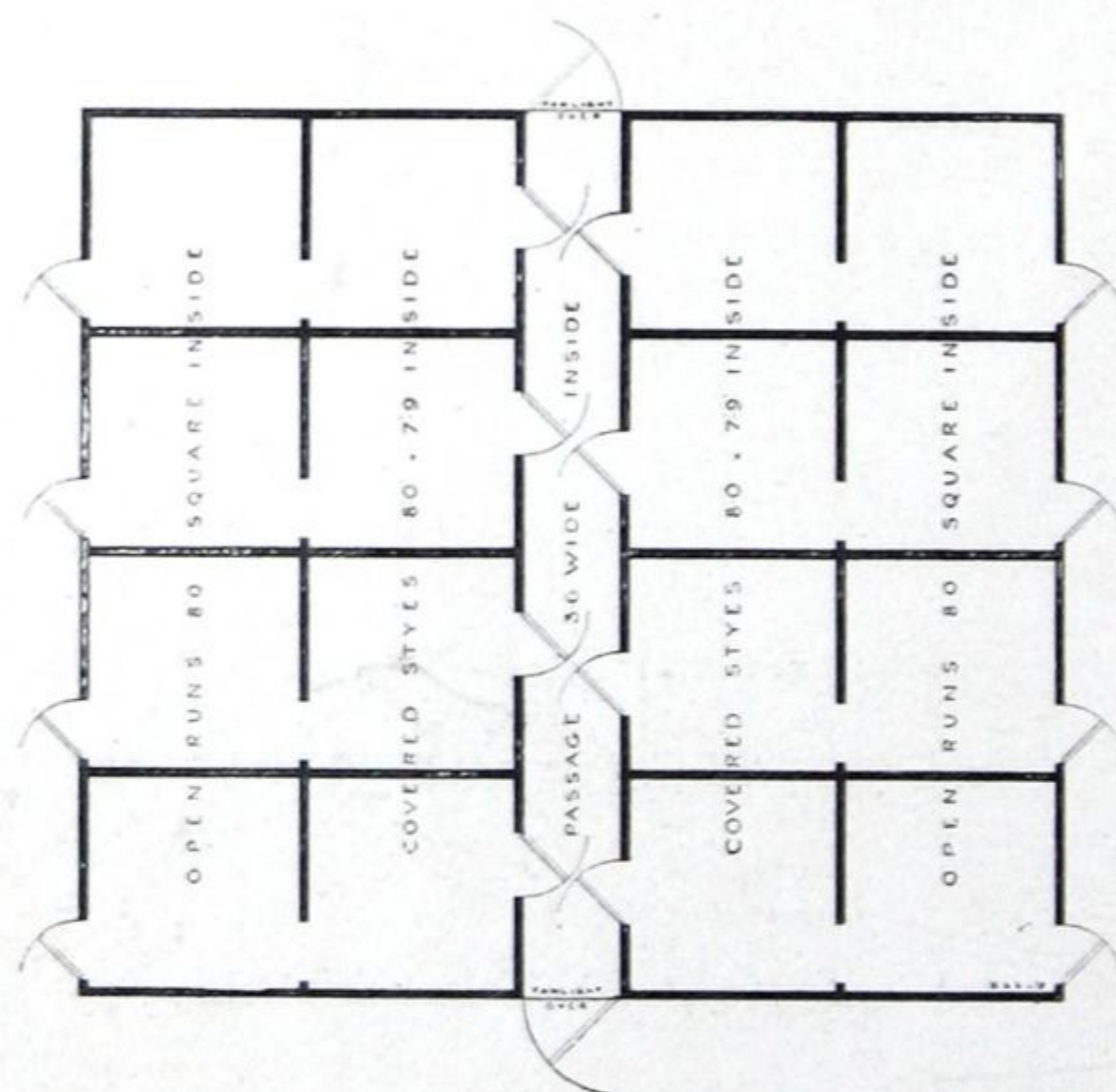
No. 225.

## PIGGERY.



AS DESIGNED AND ERECTED BY US FOR A SUCCESSFUL PRIZE WINNING BREEDER.

Enclosed covered styes and open runs. Brick foundations, with brick or concrete floor. Strong framing, and lining to styes of 1 in. pitch pine, to resist the gnawing proclivities of these animals. Large roof ventilator, light obtained from end fanlights over doors. All interior woodwork left for whitewashing, to ensure the whole being kept constantly sweet and clean.



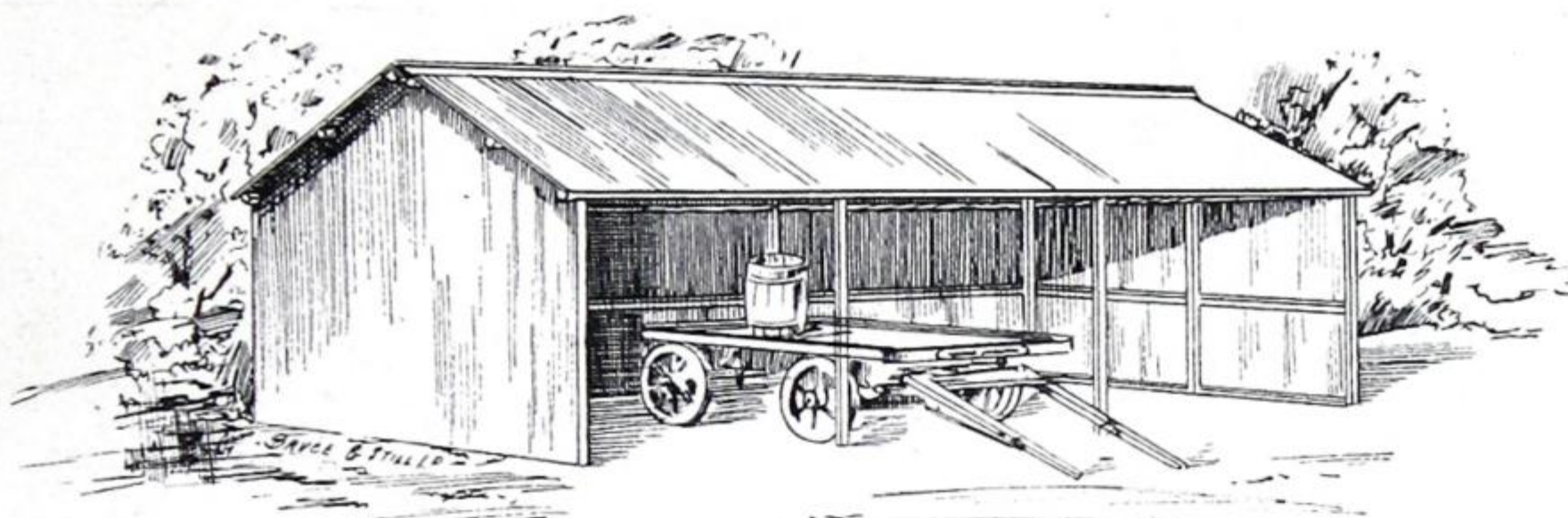
Approximate Price, delivered only, £94 0/-

Do. erected complete, £112 0/-



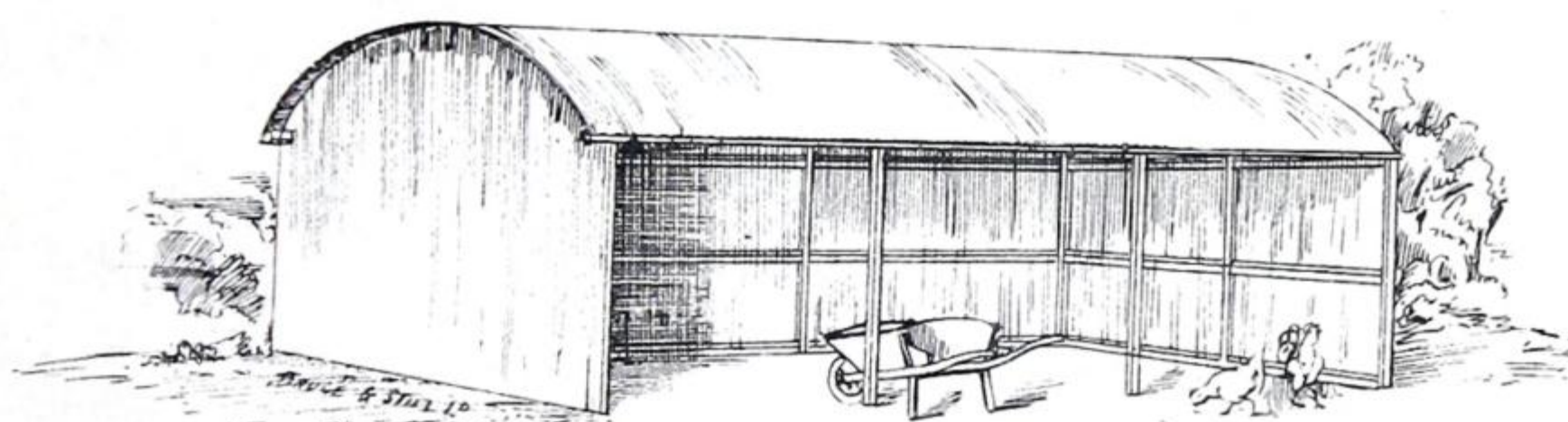
## CART OR IMPLEMENT SHEDS.

No. 226. RIDGED ROOF.



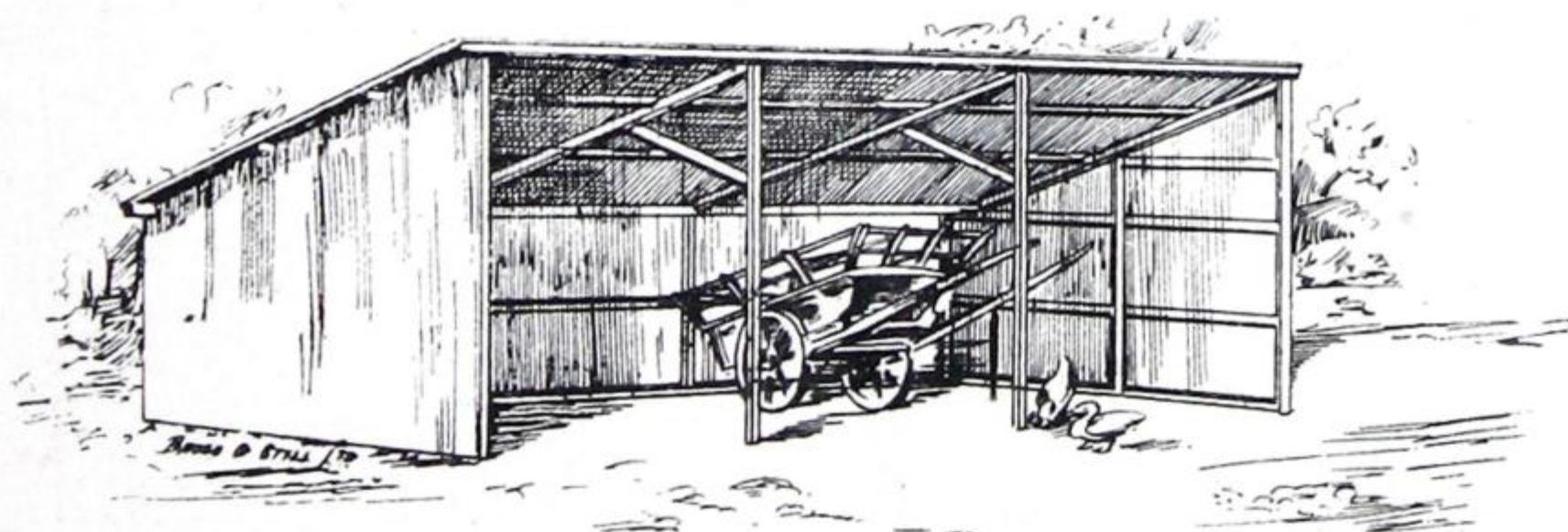
Sheds for carts and implements, or for other general purposes.  
Various sizes, and designs.

No. 227. CURVED ROOF.



Prices for these buildings on receipt of dimensions, and other particulars.

No. 228. LEAN-TO ROOF.



ALL PERSONS INTERESTED IN AGRICULTURE SHOULD SEND FOR OUR  
SPECIAL HAY OR CORN SHED CIRCULAR.



32

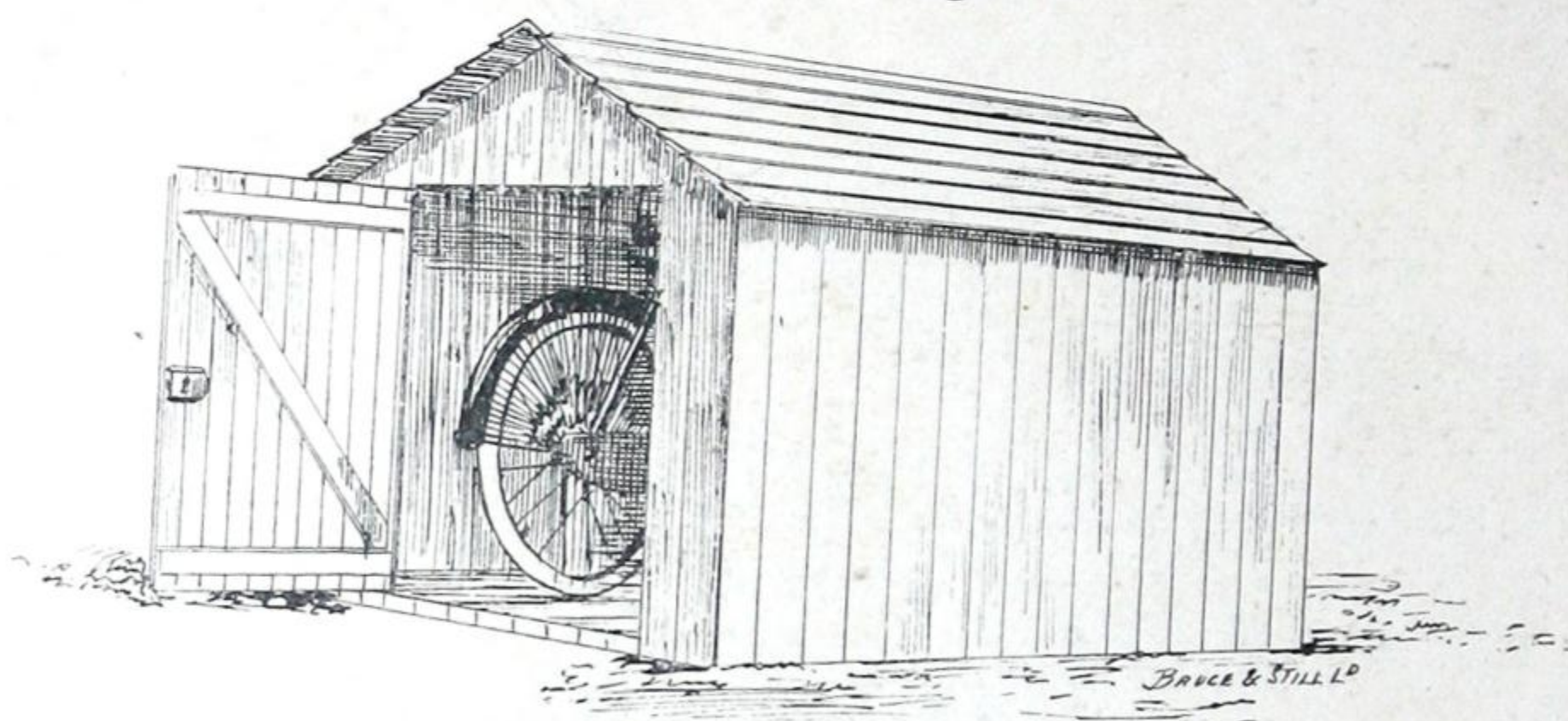
BRUCE & STILL, LIMITED,

No. 229.

## BICYCLE HOUSES.

FOR TWO MACHINES.

6 ft. 6 in. long by 4 ft. 6 in. wide. Height to eaves, 4 ft. 6 in. and 6 ft. to ridge.

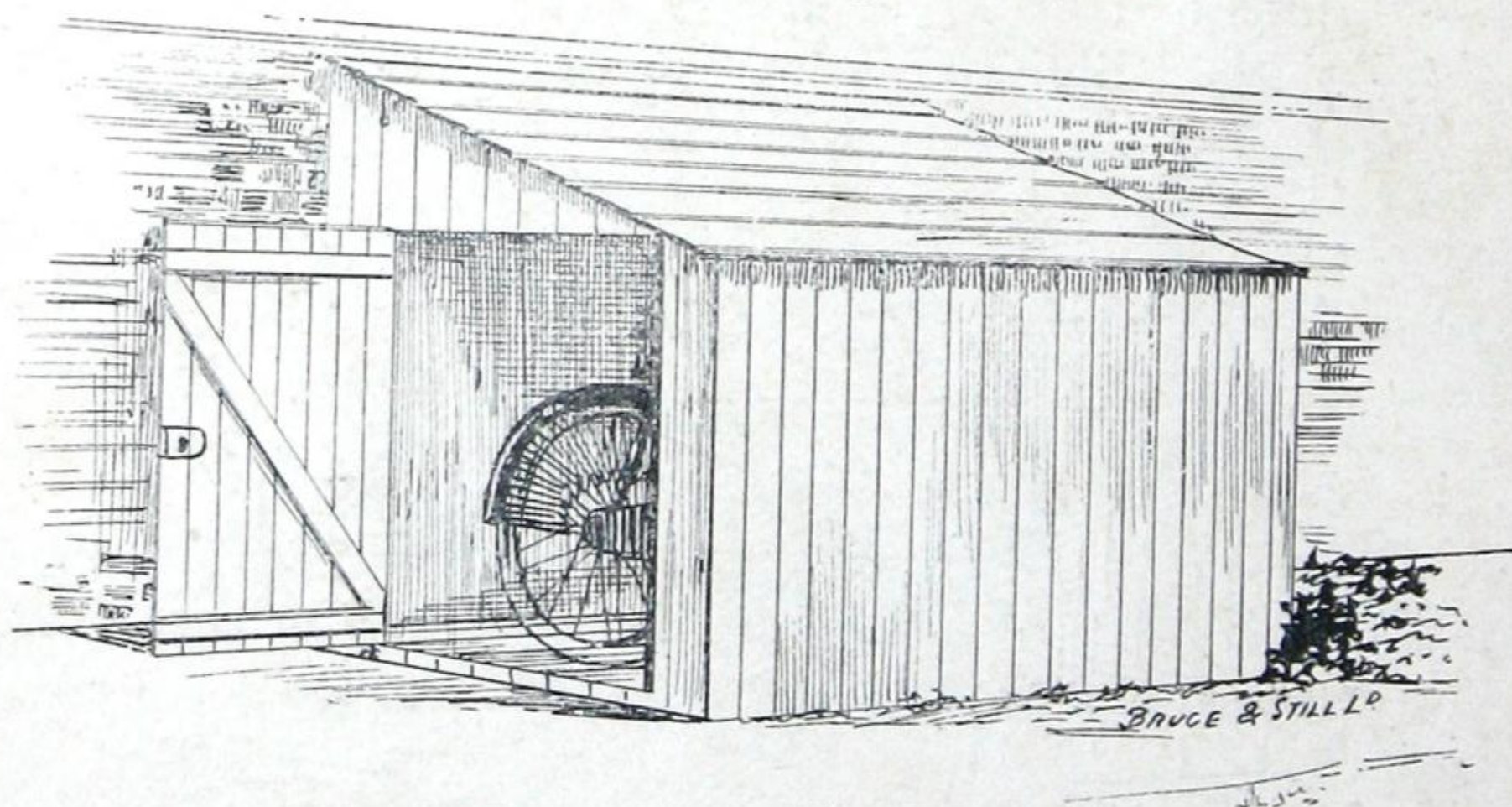


Specification.—Timber framing, sides of  $\frac{3}{4}$  in. tongued and grooved boards, roof  $\frac{3}{4}$  in. weather boarding. Timber floor, door provided with hinges and lock.

ALL IN SECTIONS FOR EASY ERECTION OR REMOVAL.

Approximate Price, £3 2/6

No. 230.



Approximate Price, £2 15/-

PRICES OF OTHER SIZES ON APPLICATION.



